

## Attachment A: Interim Data Management System (IDMS) Lookup Tables

### A-1: PBS Lookup Table

**Description:** This table stores the valid list of Project Baseline Summaries.

**Location in IDMS:** This table is used in the Planning, Budget, and IPL Modules.

Ops Office Code	SSL Code	PBS Code	PBS Field Code	PBS Name
AL	LA	1163	AL-RSRP/LANL	Off-site Source Recovery Program - Non-Def
AL	AL	0529	AL002	Albuquerque Misc Programs (WERC, HBCU, ITRD, NSUC, AIP-TX/MO)
AL	SV	0123	AL003	South Valley Superfund Site
AL	AL	0465	AL004	New Mexico Agreement in Principle (AIP)
AL	LR	0125	AL005	Lovelace Biomedical & Environmental Research Institute
AL	KC	0466	AL007	Kansas City Environmental Restoration Project
AL	LA	0467	AL008	Nuclear Material Facility Stabilization R&D
AL	LA	0562	AL009	LANL Environmental Restoration
AL	LA	0471	AL012	LANL Waste Management - Newly Generated Waste
AL	LA	0472	AL013	LANL Waste Management - Legacy Waste
AL	PX	0473	AL014	Pantex Plant Site Remediation Project
AL	PX	0593	AL015	Pantex Waste Operations
AL	SN	0134	AL017	Sandia National Laboratories Waste Management
AL	SN	0135	AL018	Sandia ER Project
AL	PI	0136	AL019	Pinellas Plant Close-out and Administration of Post- Employment Benefits
AL	US	0475	AL020	UMTRA - Surface Remedial Action Project
AL	MF	0138	AL021	Maxey Flats Field Management Project
AL	MM	0476	AL022	Monticello Projects
AL	UM	0477	AL023	UMTRA Ground Water
AL	GJ	0478	AL024	GJO All Other Projects
AL	PI	0479	AL025	Pinellas Plant Environmental Restoration Project
AL	LA	0012	AL026	Off-site Source Recovery Program - Def
AL	LA	0015	AL028	Nuclear Material Stewardship Project Office
AL	LA	2001	AL029	TA-21 Cleanup
AL	LA	0183	AL030	Land Parcels Transfer at LANL

Ops Office Code	SSL Code	PBS Code	PBS Field Code	PBS Name
AL	GJ	0184	AL031	Long-Term Surveillance and Maintenance at Grand Junction
CB	WP	0008	CAO-1	WIPP Base Operations
CB	WP	0009	CAO-2	WIPP Disposal Phase Certification and Experimental Program
CB	WP	0010	CAO-3	WIPP Transportation
CB	WP	0011	CAO-4	WIPP TRU Waste Sites Integration and Preparation
CB	WP	0013	CAO-6	WIPP TRU Waste Transportation Privatization
CH	AM	0025	CH-AMESRA	Ames Remedial Actions
CH	AM	0026	CH-AMESWO	AMES Waste Operations
CH	AE	0003	CH-ANLEDD	ANL-E Decontamination and Decommissioning Actions
CH	AE	0082	CH-ANLEDD-D	ANL-E Decontamination and Decommissioning Actions (Defense)
CH	AE	0001	CH-ANLEPM	ANL-E Program Management
CH	AE	0083	CH-ANLEPM-D	ANL-E Program Management (Defense)
CH	AE	0002	CH-ANLERA	ANL-E Remedial Actions
CH	AE	0076	CH-ANLERA-D	ANL-E Remedial Actions (Defense)
CH	AE	0004	CH-ANLEWO	ANL-E Waste Operations
CH	AW	0029	CH-ANLWRA	ANL-W Remedial Actions
CH	AW	0034	CH-ANLWWO	ANL-W Waste Operations
CH	BN	0033	CH-BRNLBYW	BNL Boneyard Waste
CH	BN	0007	CH-BRNLDD	BNL Decontamination and Decommissioning Actions
CH	BN	0005	CH-BRNLPM	BNL Program Management
CH	BN	0006	CH-BRNLRA	BNL Remedial Actions
CH	BN	0023	CH-BRNLWO	BNL Waste Operations
CH	CH	0032	CH-CHOOPUAB	Princeton Site A/B Payments
CH	CH	0031	CH-CHOOSA	Site A Cleanup
CH	CH	0030	CH-CHOOSM	Surveillance and Maintenance Activities
CH	CH	0072	CH-CHOOSM-D	Surveillance and Maintenance Activities (Defense)
CH	CH	0709	CH-COPS	CH Operations Program Support
CH	CH	0016	CH-COPS-D	CH Operations Program Support (Defense)
CH	FR	0035	CH-FNALWO	FNAL Waste Operations
CH	PL	0027	CH-PPPLRA	PPPL Remedial Actions
CH	PL	0028	CH-PPPLWO	PPPL Waste Operations
DD	DD	0153	HQ-9999-01	Contribution to the Uranium Enrichment D&D Fund
EH	HS	0069	HQNP-HS01-EH	Health Studies
HQ	HQ	0147	HQ-100-AA	Technical Support to ER
HQ	HQ	0127	HQ-2-00	Technical Support to ER (Non-Defense)
HQ	HQ	0149	HQ-EM74	Headquarters Program Integration

Ops Office Code	SSL Code	PBS Code	PBS Field Code	PBS Name
HQ	HQ	0705	HQ-PM-001	Policy & Management
HQ	HQ	0557	HQ-WM001	Complex-Wide Waste Management Support and Analyses
HQ	HQ	0556	HQ6002	Support to Transition Activities
HQ	HQ	0068	HQNP-NCST	Nuclear Criticality Safety Training (DNFSB 97-2)
ID	IN	2004	HQNP-SI01-LT-ID	Security Investigations
ID	IN	0435	ID-CTREXC-101	Low-Level Waste/Mixed Low-Level Waste Center of Excellence
ID	IN	0164	ID-ER-101	Test Area North Remediation
ID	IN	0165	ID-ER-102	Test Reactor Area Remediation
ID	IN	0166	ID-ER-103	Idaho Chemical Processing Plant Remediation
ID	IN	0167	ID-ER-104	Central Facilities Area (CFA) Remediation
ID	IN	0168	ID-ER-105	Power Burst Facility/Auxiliary Reactor Area
ID	IN	0563	ID-ER-106	Radioactive Waste Management Complex Remediation
ID	IN	0170	ID-ER-107	Pit 9 Remediation
ID	IN	0171	ID-ER-108	Sitewide Monitoring Area Remediation
ID	IN	0172	ID-ER-109	Remediation Operations
ID	IN	0564	ID-ER-110	Decontamination and Decommissioning
ID	IN	0193	ID-HLW-101	High-Level Waste Pretreatment
ID	IN	0449	ID-HLW-102	High Level Waste Immobilization Facility
ID	IN	0565	ID-HLW-103	HLW Treatment and Storage
ID	IN	0196	ID-HLW-104	Vitrified HLW Storage
ID	IN	0450	ID-HLW-105	Closure and Stabilization Activities
ID	IN	0218	ID-LRP-101	Environmental Engineering and Science Center
ID	IN	2008	ID-LRP-101-PC	Environmental Engineering and Science Center (S/PC)
ID	IN	0219	ID-LRP-102	Technology Deployment Center Demonstration Facility
ID	IN	0566	ID-OIM-101	Site Wide Landlord Operations
ID	IN	0206	ID-OIM-102	Idaho Chemical Processing Plant Non-Process Plant Operations
ID	IN	0207	ID-OIM-103	INEEL Medical Facilities
ID	IN	0208	ID-OIM-104	INEEL Emergency Response Facilities
ID	IN	0209	ID-OIM-105	Security Facilities Consolidation Project
ID	IN	0210	ID-OIM-106	Electrical and Utility Systems Upgrade (EUSU) Project, ICPP
ID	IN	0211	ID-OIM-107	INEEL Electrical Distribution Upgrade
ID	IN	0212	ID-OIM-108	INEEL Road Rehabilitation
ID	IN	0567	ID-OIM-109	Health Physics Instrument Laboratory
ID	IN	0568	ID-OIM-110	Pre-FY 2007 Surplus Facility Deactivation Project
ID	IN	0117	ID-OIM-110-N	Pre-FY 2007 Surplus Facility Deactivation Project - Non Defense
ID	IN	0214	ID-OIM-111	Post-FY2006 Surplus Facility Deactivation Projects

Ops Office Code	SSL Code	PBS Code	PBS Field Code	PBS Name
ID	IN	0215	ID-OIM-112	Pre-2007 INEEL Surveillance and Maintenance (S&M)
ID	IN	0121	ID-OIM-112-N	Pre-2007 INEEL Surveillance and Maintenance (S&M) - Non Defense
ID	IN	0216	ID-OIM-113	Post-2006 Surveillance, Maintenance, and Monitoring
ID	IN	3001	ID-OIM-114	Sitewide INEEL Information Network (SIINET)
ID	IN	3002	ID-OIM-115	Site Operations Center (SOC)
ID	IN	3003	ID-OIM-116	Environmental Legacy Compliance (VCO)
ID	IN	0185	ID-OIM-117	Cathodic Protection System Expansion
ID	IN	0188	ID-OIM-118	Process Water Treatment System
ID	IN	0175	ID-SNF-101	National Spent Nuclear Fuel Program
ID	IN	0569	ID-SNF-102	Integrated SNF Program
ID	IN	0177	ID-SNF-103	Emptied SNF Facilities
ID	IN	0178	ID-SNF-104	Constructed New Facilities
ID	IN	0122	ID-SNF-104-N	Constructed New Facilities - Non Defense
ID	IN	0448	ID-SNF-105	Dry Transfer and Storage Project (Privatized)
ID	IN	0570	ID-WM-101	INEEL LLW/MLLW/Other Waste Program
ID	IN	0186	ID-WM-102	National LLW Program
ID	IN	0187	ID-WM-103	INEEL Transuranic Waste
ID	IN	0452	ID-WM-104	AMWTP Asset Acquisition Project (Privatized)
ID	IN	0453	ID-WM-105	AMWTP Production Operations
ID	IN	0571	ID-WM-106	INEEL Site-Wide Environmental Protection
ID	IN	0191	ID-WM-107	Long-Term Treatment/Storage/Disposal Operations
ID	IN	0572	ID-WM-108	Integrated Waste Operations Program
MS	NP	0561	HQ-EM-HQ-001	Emergency Preparedness Program
MS	NP	0150	HQ-EM75	Environmental & Regulatory Analysis
MS	NP	0558	HQ-PC-001	PACKAGING CERTIFICATION
MS	NP	0161	HQ-TMHQ1	Transportation and Packaging Management
MS	NP	0148	ID-CMP-001	National Analytical Management Program
MS	NP	0154	OPS/HQ-PP	Pollution Prevention
MS	NP	0066	OPS/HQ-PP-N	Pollution Prevention - Non-Defense
NV	NT	0223	NV202	AIPs/Grants
NV	NT	0224	NV211	Soils
NV	NT	0225	NV212	Underground Test Area (UGTA)
NV	NT	0226	NV214	Industrial Sites
NV	NO	0227	NV240	Off-sites
NV	NT	0442	NV350	TRU/Mixed TRU
NV	NT	0444	NV360	Mixed Low-Level Waste

Ops Office Code	SSL Code	PBS Code	PBS Field Code	PBS Name
NV	NT	0443	NV370	Low-Level Waste
NV	NT	0064	NV400	Program Integration
OH	OH	2003	HQNP-SI01-CL-OH	Security Investigations (Closure)
OH	AB	0228	OH-AB-01	Remediation
OH	AB	0229	OH-AB-02	Project Management, Site Services, ES&H
OH	CL	0230	OH-CL-01	King Avenue Site Decontamination
OH	CL	0231	OH-CL-02	West Jefferson Site Decontamination
OH	CL	0017	OH-CL-02-D	West Jefferson Site Decontamination (Defense)
OH	CL	0521	OH-CL-03	Project Management, Site Support & Maintenance
OH	CL	0079	OH-CL-03-D	Project Management, Site Support & Maintenance
OH	FN	0522	OH-FN-01	Facility Shutdown
OH	FN	0523	OH-FN-02	Facility D & D
OH	FN	0524	OH-FN-03	On-Site Disposal Facility
OH	FN	0525	OH-FN-04	Aquifer Restoration
OH	FN	0237	OH-FN-05	Waste Pits Remediation Project
OH	FN	0530	OH-FN-06	Soils
OH	FN	0526	OH-FN-07	Silos
OH	FN	0239	OH-FN-08	Nuclear Materials
OH	FN	0240	OH-FN-09	Thorium Overpack
OH	FN	0241	OH-FN-10	Mixed Waste
OH	FN	0527	OH-FN-11	Waste Management
OH	FN	0528	OH-FN-12	Program Support & Oversight
OH	FN	0182	OH-FN-13	Post Source Term Removal Projects
OH	MB	0573	OH-MB-01	Tritium Operations Transition
OH	MB	0574	OH-MB-02	Main Hill Tritium
OH	MB	0018	OH-MB-02-N	Main Hill Tritium (Non-Defense)
OH	MB	0246	OH-MB-03	Waste Activities
OH	MB	0575	OH-MB-04	Main Hill Rad
OH	MB	0576	OH-MB-05	Main Hill Non Rad
OH	MB	0577	OH-MB-06	SM/PP Hill
OH	MB	0578	OH-MB-07	Test Fire Valley
OH	MB	0579	OH-MB-08	Soils
OH	MB	0580	OH-MB-09	Facility Operations & Maintenance
OH	MB	0589	OH-MB-10	Regulatory Oversight & Site Support
OH	WV	0249	OH-WV-01	HLW Vitrification and Tank Heel High Activity Waste Processing
OH	WV	0250	OH-WV-02	Site Transition, Decommissioning, & Project Completion

Ops Office Code	SSL Code	PBS Code	PBS Field Code	PBS Name
OH	WV	0251	OH-WV-03	Spent Nuclear Fuel
OH	WV	0252	OH-WV-04	Project Management/Site Support
OK	LL	0200	OK-001	LLNL Main Site Remediation
OK	LL	0258	OK-002	Lawrence Livermore National Laboratory Site 300 Remedial Action
OK	LB	0260	OK-003	LBNL Soils and Groundwater (Environmental Restoration)
OK	LB	0261	OK-004	LBNL Hazardous Waste Handling Facility Closure (Environmental Restoration)
OK	SL	0262	OK-005	Stanford Linear Accelerator Center (Environmental Restoration)
OK	ET	0263	OK-007	ETEC Remediation
OK	ET	0265	OK-009	ETEC Landlord
OK	ET	0075	OK-009-D	ETEC Landlord (Defense)
OK	LH	0267	OK-010	Laboratory for Energy-Related Health Research Environmental Restoration
OK	GT	0269	OK-011	Soil Remediation (GTF)
OK	GA	0271	OK-012	Hot Cell Facility D&D at General Atomics
OK	GE	0461	OK-013	General Electric D&D (Environmental Restoration)
OK	LH	0275	OK-014	LEHR Waste Management
OK	LB	0277	OK-015	LBNL Legacy Waste
OK	LB	0279	OK-016	LBNL Newly Generated Wastes
OK	LL	0462	OK-021	LLNL Base Program
OK	LL	0463	OK-026	LLNL General Plant Projects
OK	LL	0285	OK-027	LLNL Decontamination and Waste Treatment Facility
OK	OK	0287	OK-040	Program Management and State Grants
OK	OK	0078	OK-040-D	Program Management and State Grants (Defense)
OK	LL	0464	OK-041	Accelerated Waste Treatment
OK	ET	0291	OK-042	ETEC Waste Management
OK	SP	0588	OK-043	SPRU
OR	RE	2005	HQNP-SI01-LT-OR	Security Investigations
OR	RE	0086	OR-151	ORR Legacy Waste
OR	RE	0087	OR-171	Environmental Management Waste Management Facility
OR	RE	0088	OR-174	EMWMF Privatization
OR	RE	0179	OR-191	Non-Recurring Contractor Transition - Def
OR	RE	0180	OR-192	Non-Recurring Contractor Transition - Non-Def
OR	RE	0181	OR-193	Non-Recurring Contractor Transition - D&D Fund
OR	RE	0089	OR-211	Y-12 Waste Operations
OR	RE	0090	OR-221	Y-12 Remedial Action
OR	RE	0091	OR-231	Y-12 Decontamination & Decommissioning
OR	RE	0092	OR-241	Y-12 Surveillance & Maintenance

Ops Office Code	SSL Code	PBS Code	PBS Field Code	PBS Name
OR	RE	0093	OR-311	ORNL Waste Operations - Def
OR	RE	0094	OR-312	ORNL Waste Operations - Non-Def
OR	RE	0095	OR-321	ORNL Remedial Action - Def
OR	RE	0096	OR-322	ORNL Remedial Action - Non-Def
OR	RE	0097	OR-331	ORNL Decontamination & Decommissioning - Def
OR	RE	0098	OR-332	ORNL Decontamination & Decommissioning - Non-Def
OR	RE	0099	OR-341	ORNL Surveillance & Maintenance - Def
OR	RE	0124	OR-342	ORNL Surveillance & Maintenance - Non-Def
OR	RE	0128	OR-364	TRU Waste Privatization
OR	RE	0129	OR-381	ORNL Nuclear Materials & Facilities Stabilization - Def
OR	RE	0130	OR-382	ORNL Nuclear Materials & Facilities Stabilization - Non-Def
OR	RE	0131	OR-394	Accelerated Demolition Privatization
OR	RE	0132	OR-411	ETTP Waste Operations
OR	RE	0133	OR-423	ETTP Remedial Action - D&D Fund
OR	RE	0137	OR-431	ETTP Decontamination & Decommissioning - Def
OR	RE	0139	OR-433	ETTP Decontamination & Decommissioning - D&D Fund
OR	RE	0140	OR-441	ETTP Surveillance & Maintenance - Def.
OR	RE	0141	OR-443	ETTP Surveillance & Maintenance - D&D Fund
OR	RE	0142	OR-493	ETTP - ORO Prime Contracts
OR	PA	0143	OR-523	Paducah Remedial Action
OR	PA	0144	OR-543	Paducah Surveillance and Maintenance
OR	PA	0145	OR-553	Paducah Waste Management
OR	PO	0146	OR-623	Portsmouth Remedial Action
OR	PO	0151	OR-643	Portsmouth Surveillance & Maintenance
OR	PO	0152	OR-653	Portsmouth Waste Management
OR	WS	0155	OR-715	Weldon Spring Waste Treatment
OR	WS	0158	OR-745	Weldon Spring Long-Term Surveillance and Maintenance
OR	WS	0160	OR-775	Weldon Spring Disposal Facility
OR	RE	0162	OR-821	Offsite Projects - Def.
OR	RE	0169	OR-823	Offsite Projects - D&D Fund
OR	RE	0173	OR-891	Directed Support - Def.
OR	RE	0174	OR-892	Directed Support - Non-Def.
OR	RE	0176	OR-893	Directed Support - D&D Fund
PD	PD	0703	HQ-PD-XX	Program Direction
RF	RF	2002	HQNP-SI01-CL	Security Investigations (Closure)
RF	RT	0202	RF001	Buffer Zone Closure Project

Ops Office Code	SSL Code	PBS Code	PBS Field Code	PBS Name
RF	RT	0584	RF002	Waste Management Project
RF	RT	0329	RF003	Remediation Waste & Contingent Storage Project
RF	RT	0331	RF004	SNM Capital Support Project
RF	RT	0335	RF006	SNM Consolidation Project
RF	RT	0339	RF008	Pu Metals and Oxides Stabilization
RF	RT	0341	RF009	Pu Solid Residue Stabilization Project
RF	RT	0343	RF010	Pu Liquid Stabilization
RF	RT	0345	RF011	Uranium Disposition Project
RF	RT	0347	RF012	SNM Shipping Project
RF	RT	0349	RF013	Closure Caps Project
RF	RT	0351	RF014	Industrial Zone Closure Project
RF	RT	0585	RF015	Miscellaneous Production Zone Cluster Closure Project
RF	RT	0355	RF016	Building 371 Cluster Closure Project
RF	RT	0357	RF017	Building 707/750 Cluster Closure Project
RF	RT	0359	RF018	Building 771/774 Cluster Closure Project
RF	RT	0361	RF019	Building 776/777 Cluster Closure Project
RF	RT	0363	RF020	Building 881 Cluster Closure Project
RF	RT	0365	RF021	Building 991 Cluster Closure Project
RF	RT	0586	RF022	Building 779 Cluster Closure Project
RF	RT	0436	RF023	Utilities & Infrastructure Project
RF	RT	0369	RF024	Safeguards and Security Project
RF	RT	0371	RF025	Infrastructure Improvement/Replacement Project
RF	RT	0375	RF027	Analytical Services Project
RF	RF	0621	RF029	Rocky Flats Field Office - DOE Management
RF	RT	0380	RF030	K-H Project Management
RF	RT	0065	RF034	Management Project
RL	RL	2006	HQNP-SI01-LT-RL	Security Investigations
RL	HA	0415	RL-ER01	100 Area Remedial Action
RL	HA	0416	RL-ER02	200 Area Remedial Action
RL	HA	0417	RL-ER03	300 Area Remedial Action
RL	HA	0418	RL-ER04	Environmental Restoration Disposal Facility
RL	HA	0419	RL-ER05	Facility Surveillance & Maintenance - ADS 3500
RL	HA	0420	RL-ER06	Decontamination and Decommissioning
RL	HA	0421	RL-ER07	Post Closure Surveillance & Maintenance
RL	HA	0422	RL-ER08	Groundwater Management
RL	HA	0423	RL-ER09	N Reactor Deactivation

Ops Office Code	SSL Code	PBS Code	PBS Field Code	PBS Name
RL	HA	0424	RL-ER10	Program Management and Support
RL	HA	0425	RL-HM01	HAMMER
RL	HA	0426	RL-OT01	MISSION SUPPORT
RL	RL	0427	RL-OT04	RL Directed Support
RL	RL	0429	RL-RG01	TWRS Regulatory Unit
RL	RL	0430	RL-ST01	PNNL WASTE MANAGEMENT
RL	HA	0401	RL-TP01	B-Plant Sub-Project
RL	HA	0402	RL-TP02	WESF Sub-Project
RL	HA	0403	RL-TP03	PUREX Sub-Project
RL	HA	0404	RL-TP04	300 Area/SNM Sub-Project
RL	HA	0405	RL-TP05	PFP Deactivation
RL	HA	0408	RL-TP08	324/327 Facility Transition Project
RL	HA	0080	RL-TP08-N	324/327 Facility Transition Project (Non-Defense)
RL	HA	0409	RL-TP09	K Basin Deactivation
RL	HA	0410	RL-TP10	Accelerated Deactivation
RL	HA	0411	RL-TP11	Advanced Reactors Transition
RL	HA	0412	RL-TP12	Transition Project Management
RL	HA	0413	RL-TP13	Landlord Project
RL	HA	0414	RL-TP14	Hanford Surplus Facility Program 300 Area Revitalization Project
RL	HA	0203	RL-TW01	Tank Waste Characterization
RL	HA	0384	RL-TW02	Tank Safety Issue Resolution Project
RL	HA	0385	RL-TW03	Tank Farms Operations
RL	HA	0386	RL-TW04	Retrieval Project
RL	HA	0387	RL-TW05	Process Waste Support
RL	HA	0388	RL-TW06	Process Waste Privatization Phase I
RL	HA	0389	RL-TW07	Process Waste Privatization Phase II
RL	HA	0390	RL-TW08	Process Waste Privatization Infrastructure
RL	HA	0391	RL-TW09	Immobilized Tank Waste Storage & Disposal Project
RL	HA	0392	RL-TW10	TWRS Management Support
RL	HA	0084	RL-VZ01	Site-Wide Groundwater/Vadose Zone Integration Project
RL	HA	0393	RL-WM01	Spent Nuclear Fuels Project
RL	HA	0394	RL-WM02	Canister Storage Building Operations
RL	HA	0395	RL-WM03	Solid Waste Storage and Disposal
RL	HA	0396	RL-WM04	Solid Waste Treatment
RL	HA	0397	RL-WM05	Liquid Effluents Project
RL	HA	0398	RL-WM06	Analytical Services

Ops Office Code	SSL Code	PBS Code	PBS Field Code	PBS Name
SR	SR	2007	HQNP-SI01-LT-SR	Security Investigations
SR	SS	0110	SR-DO01	DOE Projects Line Item
SR	SS	0113	SR-DO02	WSI Landlord Project
SR	SR	0114	SR-DO03	Savannah River Natural Resource Management & Research Institute
SR	SR	0115	SR-DO04	Ecology Lab Project
SR	SR	0116	SR-DO05	DOE External Program Support
SR	SR	0118	SR-DO07	DOE Program Support
SR	SS	0051	SR-ER01	Flood Plain Swamp Project
SR	SS	0052	SR-ER02	Four Mile Branch Project
SR	SS	0053	SR-ER03	Lower Three Runs & Operations Project
SR	SS	0054	SR-ER04	Pen Branch Project
SR	SS	0055	SR-ER05	Steel Creek Project
SR	SS	0056	SR-ER06	Upper Three Runs Project
SR	SS	0057	SR-ER07	Program Management
SR	SS	0485	SR-ER08	Facility Disposition Program Planning
SR	SS	0486	SR-ER09	HWCTR Projects
SR	SS	0498	SR-FA01	247-F Deactivation Project
SR	SS	0499	SR-FA02	F Canyon Deactivation Project
SR	SS	0500	SR-FA03	FB Line Deactivation Project
SR	SS	0501	SR-FA04	H Canyon Deactivation Project
SR	SS	0502	SR-FA05	HB Line Deactivation Project
SR	SS	0503	SR-FA06	235-F Deactivation Project
SR	SS	0504	SR-FA07	Old HB Line Deactivation Project
SR	SS	0505	SR-FA08	P Reactor Deactivation Project
SR	SS	0506	SR-FA09	C Reactor Deactivation Project
SR	SS	0507	SR-FA10	R Reactor Deactivation Project
SR	SS	0508	SR-FA11	K Reactor Deactivation Project
SR	SS	0509	SR-FA12	L Reactor Deactivation Project
SR	SS	0510	SR-FA13	RBOF Deactivation Project
SR	SS	0511	SR-FA14	D Area Deactivation Project
SR	SS	0512	SR-FA15	M Area Deactivation Project
SR	SS	0513	SR-FA16	F-Area Monitoring
SR	SS	0514	SR-FA17	H-Area Monitoring and Minor Facility Monitoring
SR	SS	0515	SR-FA18	M Area Monitoring Project
SR	SS	0516	SR-FA19	D Area Monitoring Project
SR	SS	0517	SR-FA20	Reactors Monitoring Project

Ops Office Code	SSL Code	PBS Code	PBS Field Code	PBS Name
SR	SS	0518	SR-FA21	Heavy Water Storage Monitoring
SR	SS	0519	SR-FA22	RBOF Monitoring Project
SR	SS	0192	SR-FA23	Landlord Facilities Disposition
SR	SS	0194	SR-FA24	High-Level Waste Facilities Disposition
SR	SS	0195	SR-FA25	Solid Waste Facilities Disposition
SR	SS	0197	SR-FA26	Long-Term Stewardship
SR	SS	0036	SR-HL01	H-Tank Farm
SR	SS	0037	SR-HL02	F-Tank Farm
SR	SS	0038	SR-HL03	Waste Removal Operations and Tank Closure
SR	SS	0039	SR-HL04	ITP/ESP/LW Operations
SR	SS	0040	SR-HL05	Vitrification
SR	SS	0041	SR-HL06	Glass Waste Storage
SR	SS	0042	SR-HL07	Effluent Treatment Facility
SR	SS	0043	SR-HL08	Saltstone
SR	SS	0119	SR-HL09	Tank Farm Service Upgrades
SR	SS	0590	SR-HL10	H-Tank Farm Storm Water System Upgrades
SR	SS	0591	SR-HL11	Tank Farm Support Services F Area
SR	SS	0592	SR-HL12	HLW Removal
SR	SS	0085	SR-HL13	Salt Disposition
SR	SS	0100	SR-IN01	Plantwide Fire Protection Line Item
SR	SS	0101	SR-IN02	Operations Support Facility Line Item
SR	SS	0102	SR-IN03	Plant Maintenance Line Item
SR	SS	0103	SR-IN04	Domestic Water Line Item
SR	SS	0104	SR-IN05	CFC HVAC Chiller Retrofit
SR	SS	0105	SR-IN06	Radio Trunking System Line Item
SR	SS	0106	SR-IN07	Site Road Infrastructure Line Item
SR	SS	0107	SR-IN08	High Level Drain Lines Line Item
SR	SS	0108	SR-IN09	Health Physics Support Line Item
SR	SS	0109	SR-IN10	Regulatory Monitoring and Bioassay Laboratory
SR	SS	0111	SR-IN11	Infrastructure Line Item
SR	SS	0112	SR-IN12	Operating Projects
SR	SS	0120	SR-IN13	Decontamination of Laboratory Facilities, 772-F & 773-A
SR	SS	0189	SR-IN14	Restoration of Technical Area Ventilation Systems
SR	SS	0190	SR-IN15	Infrastructure Restoration and Preservation
SR	SS	0487	SR-NM01	F-Area Stabilization Project
SR	SS	0488	SR-NM02	H-Area Stabilization Project

Ops Office Code	SSL Code	PBS Code	PBS Field Code	PBS Name
SR	SS	0489	SR-NM03	Nuclear Material Storage Line Item
SR	SS	0490	SR-NM04	Canyon Exhaust Line Item
SR	SS	0491	SR-NM05	Neptunium (Np) Vitrification Line Item
SR	SS	0492	SR-NM06	Nuclear Material Storage Operations
SR	SS	0493	SR-NM07	Depleted Uranium Storage
SR	SS	2014	SR-SF01-LT	K Area Spent Nuclear Fuel Project (Post-2006)
SR	SS	0495	SR-SF02	L Area Spent Nuclear Fuel Project
SR	SS	0496	SR-SF03	RBOF Spent Nuclear Fuel Project
SR	SS	2015	SR-SF04-LT	Heavy Water - D Area (Post-2006)
SR	SS	0073	SR-SF06	Alternate Technology Project
SR	SS	0074	SR-SF07	Disassembly Basin Upgrade Line Item
SR	SS	0497	SR-SF09	Spent Nuclear Fuel Treatment and Storage
SR	SS	0077	SR-SF10	RBOF Process Support System Refurbishment
SR	SS	0044	SR-SW01	Consolidated Incinerator Facility
SR	SS	0480	SR-SW02	Transuranic Waste Project
SR	SS	0481	SR-SW03	Mixed Low Level Waste Project
SR	SS	0482	SR-SW04	Low Level Waste Project
SR	SS	0483	SR-SW05	Hazardous Waste Project
SR	SS	0484	SR-SW06	Sanitary Waste Project
SR	SS	0050	SR-SW07	Pollution Prevention
ST	SC	0156	HQ-TD-001	National Science and Technology Development
ST	SC	0157	HQRP001	National Risk Program
ST	SC	0159	HQSP001	Environmental Management Science Program
UR	UE	0446	HQ-4000	Reimbursements to Uranium/Thorium Licensees

## A-2: Geographic Site Lookup Table

**Description:** This table stores the valid list of geographic sites with the associated information.

**Location in IDMS:** This table is used in the Planning Module.

Geo Site Code	SSL Code	Geo Site Shortname	Geo Site Name	EM Site	DOE Site	Geo Site Type	State Code	Geo Site Category	Geo Site Units	Geo Site Size	District	Geo Site Location
AATM	FS		Associate Aircraft	Y	N	F	OH		ft2	25000	8	The former Associate Aircraft Tool & Manufacturing facility is located at 3660 Dixie Highway, Fairfield, Ohio.
ACPC	FS		Acid/Pueblo Canyons	Y	N	F	NM			0	3	The Acid and Pueblo Canyon is located near Los Alamos, New Mexico.
AEMP	AB	RMI	Ashtabula Environmental Management Project	Y	Y	O	OH	RD	acres	22	19	The Ashtabula Site (formerly known as Reactive Metals, Inc.) is located in northern Ashtabula County, Ohio, about 5 kilometers (three miles) northeast of the center of the City of Ashtabula and approximately one mile south of Lake Erie.
AINP	NO	Amchitka	Amchitka Island	Y	Y	O	AK	RD			AL	Amchitka Island is the southernmost island of the Rat Island Group in the Aleutian chain and is about 2,300 kilometers (1,400 miles) southwest of Anchorage.
ALCL	FS		Alba Craft	Y	N	F	OH		ft2	8000	8	This property is located at 10-14 West Rose Avenue in Oxford, Ohio in a residential neighborhood.

Geo Site Code	SSL Code	Geo Site Shortname	Geo Site Name	EM Site	DOE Site	Geo Site Type	State Code	Geo Site Category	Geo Site Units	Geo Site Size	District	Geo Site Location
ALFO	FS		Aliquippa Forge	Y	N	F	PA		acres	7.5	4	Aliquippa Forge is located about 0.2 miles west of the Ohio River in Aliquippa, Pennsylvania. It is bordered on the east by Beaver Avenue and on the south by First Street.
AMES	AM	Ames Lab	Ames Laboratory	Y	Y	O	IA	RD			3	The Ames Laboratory is located on the Iowa State University Campus in the town of Ames, Iowa.
AMLA	US		Ambrosia Lake, NM	Y	Y	U	NM		acres	105	3	The former Ambrosia Lake mill and tailings site is located in McKinley County in northwest New Mexico approximately 40 kilometers (25 miles) north of Grants and 137 kilometers (85 miles) northwest of Albuquerque.
AMRC	FS		Albany Research Center	Y	N	F	OR		acres	45	4	The Albany Research Center (ARC) is located in Albany, Oregon. It is bounded on the north by Queen Avenue, on the west by Broadway Street, on the east by Liberty Street, and on the south by a tennis club.
ANLE	AE	Argonne East	Argonne National Laboratory - East	Y	Y	O	IL	RD	acres	1700	13	Argonne National Laboratory-East (ANL-E) occupies a 680-hectare (1,700-acre) tract located approximately 20 kilometers (15 miles) southwest of metropolitan Chicago, Illinois.

Geo Site Code	SSL Code	Geo Site Shortname	Geo Site Name	EM Site	DOE Site	Geo Site Type	State Code	Geo Site Category	Geo Site Units	Geo Site Size	District	Geo Site Location
ANLW	AW	Argonne West	Argonne National Laboratory - West	Y	Y	O	ID	RD	acres	641	2	Argonne National Laboratory-West (ANL - W) is located on the southeastern portion of the Idaho National Engineering Laboratory, approximately 56 kilometers (35 miles) west of Idaho Falls, Idaho.
ARCO		ARCO	ARCO Medical Products Company	N	N	A	PA	OT	acres	3300		The ARCO Bluewater site is a 1,335 hectare (3,300 acre) site located about 14 kilometers (9 miles) northwest of Grants, New Mexico.
ARMY		ARMY	U.S. Army Material Command	N	N	A	IL	OT	acres	2265		Brookhaven National Laboratory is located on approximately 906 hectares (2,265 acres) of land, and is located on Long Island in Upton, New York, approximately 120 kilometers (75 miles) from New York City.
ASHO	FS	Ashland 2	Ashland 2	N	Y	F	NY	ND				
ASOI	FS	Ashland 1	Ashland 1	N	Y	F	NY	ND				
BABR	FS		Baker Brothers	Y	N	F	OH			0	9	The Baker Brothers site is located in Toledo, Ohio, at the intersection of Harleau Place and Post Street.
BACA	FS		Bayo Canyon	Y	N	F	NM		acres	1.5	3	The Bayo Canyon site is located in Los Alamos and Santa Fe counties and is bounded by Kwage Mesa to the south and Otowi Mesa to the north. It is about 62 miles north-northeast of Albuquerque and 25 miles northwest of Santa Fe.

Geo Site Code	SSL Code	Geo Site Shortname	Geo Site Name	EM Site	DOE Site	Geo Site Type	State Code	Geo Site Category	Geo Site Units	Geo Site Size	District	Geo Site Location
BAPL		Bettis	Bettis Atomic Power Laboratory	N	Y	A	PA	ND				
BAWW	FS		Baker and Williams Warehouses	Y	N	F	NY		bldgs	3		The Baker & Williams site consists of three adjacent warehouse buildings on the west side of central New York City.
BLLS	FS	Bliss & Laughlin	Bliss & Laughlin Steel	N	Y	F	NY	ND				
BRNL	BN	Brookhaven	Brookhaven National Laboratory	Y	Y	O	NY	RD	acres	2265	1	Brookhaven National Laboratory is located on approximately 906 hectares (2,265 acres) of land, and is located on Long Island in Upton, New York, approximately 120 kilometers (75 miles) from New York City.
BSBO	UM	Bowman	Bowman, ND	Y	Y	U	ND	ND	acres	12	AL	The Bowman site is located in southwestern North Dakota, 11 kilometers (7 miles) west of the Town of Bowman, near a railroad and close to the head of Spring Creek, a part of the Grand River drainage basin.
BSBS	UM	Belfield	Belfield, ND	Y	Y	U	ND	ND	acres	10.7	AL	The Belfield site is located in southwestern North Dakota, 1.6 kilometers (1 mile) southeast of the Town of Belfield in Stark County.
BTME	FS		B&T Metals	Y	N	F	OH		bldgs	3	12	B & T Metals is located at 425 West Town Street on the southwest side of Columbus, Ohio.
BW		Babcock & Wilcox	Babcock & Wilcox - NES	N	N	A	VA	OT				

Geo Site Code	SSL Code	Geo Site Shortname	Geo Site Name	EM Site	DOE Site	Geo Site Type	State Code	Geo Site Category	Geo Site Units	Geo Site Size	District	Geo Site Location
CANO	US		Canonsburg, PA	Y	Y	U	PA		acres	18.6	20	The Canonsburg site is within the Borough of Canonsburg, Washington County, in southwestern Pennsylvania, approximately 32 kilometers (20 miles) southwest of downtown Pittsburgh.
CEER	OR	CEER	Center for Energy and Environmental Research (CEER)	Y	Y	O	PR	ND	acres	176	1	The Center for Energy and Environment Research, located in the Commonwealth of Puerto Rico, consists of three sites and a decommissioned research reactor. These sites include the Mayaguez Site, the El Verde Research Area, and the Rio Piedras Site.
CEMK	CL	Battelle KA	Columbus Environmental Management Project - King Avenue	Y	Y	O	OH	ND	acres	6	15	The King Avenue site consists of nine affected buildings, located within the City of Columbus.
CEMP	CL	Battelle WJ	Columbus Environmental Management Project - West Jefferson	Y	Y	O	OH	RD	acres	1100	15	There are six buildings located at the West Jefferson site which is located near West Jefferson, Ohio, is approximately 8 kilometers (5 miles) west of Columbus.
CHEN		Cheney	Cheney Disposal Cell	N	Y	A	UT	ND				
CHSC	FS		C. H. Schnoor	Y	N	F	PA		bldg	1	18	The Schnoor site is located at 644 Garfield Street in Springdale, Pennsylvania.

Geo Site Code	SSL Code	Geo Site Shortname	Geo Site Name	EM Site	DOE Site	Geo Site Type	State Code	Geo Site Category	Geo Site Units	Geo Site Size	District	Geo Site Location
CHVA	FS		Chapman Valve	Y	N	F	MA		bldg	1	2	The Chapman Valve site is located at 203 Hampshire Street in Indian Orchard, Massachusetts.
CMMR	FS		Chupadera Mesa	Y	N	F	NM			0	2	Chupadera Mesa is located in White Sands Missile Range, New Mexico. In 1984, Chupadera Mesa was determined not to require response action under FUSRAP.
CNS		Charleston	Charleston Naval Shipyard	N	Y	A	SC	ND				
CNTS	NO	Cent. Nevada	Central Nevada Test Site (CNTS)	Y	Y	O	NV	RD			2	The central Nevada Test Site (CNTS) is located in south central Nevada, 105 kilometers (65 miles) northeast of the City of Tonopah.
COEN	FS	Comb. Engr.	Combustion Engineering	N	Y	F	CT	ND				
COMM		Commercial - TBD	Commercial Site - TBD	N	N	A		CM				
COSI	FS	Colonie	Colonie	N	Y	F	NY	ND				
DOE		DOE - TBD	DOE Site - TBD	N	N	A		TD				
DRR		Domestic RR	Domestic Research Reactors	N	N	A		OT				
DSSI		DSSI	Diversified Scientific Services, Inc.	N	N	A	TN	CM				
DUCO	FS	Dupont	Dupont & Company	N	Y	F	NJ	ND				

Geo Site Code	SSL Code	Geo Site Shortname	Geo Site Name	EM Site	DOE Site	Geo Site Type	State Code	Geo Site Category	Geo Site Units	Geo Site Size	District	Geo Site Location
DURA	US		Durango, CO	Y	Y	U	CO		acres	147	3	The former Durango uranium processing site is located just outside the city limits of Durango in southwest Colorado. The site is bordered on the east by the Animas River, on the north by Lightner Creek, and on the southwest by Smelter Mountain.
ELGS	FS		Elza Gate	Y	N	F	TN		bldgs	5	3	The Elza Gate site is located in Oak Ridge, Tennessee.
ENVR		Envirocare	Envirocare	N	N	A	UT	CM				
ETEC	ET	ETEC	Energy Technology Engineering Center	Y	Y	O	CA	RD	acres	90	24	The Energy Technology Engineering Center (ETEC) is located within the Santa Susana Field Laboratory (SSFL) located in the Simi Hills of Ventura County, approximately 48 kilometers (30 miles) northwest of downtown Los Angeles.
FACI	US		Falls City, TX	Y	Y	U	TX		acres	593	15	The former Falls City mill and tailings site is located in Karnes County, 74 kilometers (46 miles) southeast of San Antonio and approximately 13 kilometers (8 miles) southwest of Falls City, Texas.

Geo Site Code	SSL Code	Geo Site Shortname	Geo Site Name	EM Site	DOE Site	Geo Site Type	State Code	Geo Site Category	Geo Site Units	Geo Site Size	District	Geo Site Location
FEMP	FN	Fernald	Fernald Environmental Management Project	Y	Y	L	OH	RD	acres	1050	2	The U.S. Department of Energy's Fernald Environmental Management Project (FEMP) is located between Hamilton and Butler Counties near the southwest corner of Ohio. The site is approximately 27 kilometers (17 miles) northwest of Cincinnati.
FNAL	FR	Fermi	Fermi National Accelerator Laboratory	Y	Y	O	IL	ND	acres	6800	14	The Fermi National Accelerator Laboratory is located on a 2,720-hectare (6,800-acre) tract in Batavia, Illinois, approximately 48 kilometers (30 miles) west of downtown Chicago.
FRR		Foreign RR	Foreign Research Reactors	N	N	A		OT				
FSV		St. Vrain	Fort Saint Vrain	N	Y	A	CO	ND				
GEAT	GA	General Atomics	General Atomics	Y	Y	O	CA	RD	acres	120	49	General Atomics (GA) occupies approximately 49 hectares (120 acres) on two contiguous sites that are 21 kilometers (13 miles) north of downtown San Diego, California, just southwest of the convergence of Interstates 5 and 805.
GEMO	FS		General Motors	Y	N	F	MI				7	The General Motors site is located at 1450 Beecher Street in Adrian, Michigan.

Geo Site Code	SSL Code	Geo Site Shortname	Geo Site Name	EM Site	DOE Site	Geo Site Type	State Code	Geo Site Category	Geo Site Units	Geo Site Size	District	Geo Site Location
GENC	GE	GE Vallecitos	General Electric Vallecitos Nuclear Center	Y	Y	O	CA	RD	acres	1600		The General Electric (GE) Vallecitos Nuclear Center is located approximately 64 kilometers (40 miles) east of San Francisco and approximately 11 kilometers (7 miles) southwest of the City of Livermore.
GETF	GT	Geotherm	Geothermal Test Facility	Y	Y	O	CA	ND	acres	82	52	The East Mesa Geothermal Test Facility (GTF) is located in the Imperial Valley, Imperial County, California, approximately 32 kilometers (20 miles) east of El Centro and 2.4 kilometers (1.5 miles) north of Interstate Highway 8.
GJPO	GJ	Grand Junction	Grand Junction Office	Y	Y	O	CO	RD	acres	62.7	3	The GJO is located southwest of Grand Junction, Mesa County in Colorado. The facility occupies the land along a bend of the Gunnison River.
GJUS	US		Grand Junction Mill Tailings Site, CO	Y	Y	U	CO		acres	114	3	The Grand Junction Mill Tailings Site is located in Mesa County in an industrial are of the city of Grand junction. The site is located in the Grand Valley, a valley of the Colorado River, which is immediately south of the site.
GRCS	FS		Granite City Steel	Y	N	F	IL			0	12	The Granite City Steel site is located at 1417 State Street in southwest Granite City, Ill., northeast of St. Louis, Missouri.

Geo Site Code	SSL Code	Geo Site Shortname	Geo Site Name	EM Site	DOE Site	Geo Site Type	State Code	Geo Site Category	Geo Site Units	Geo Site Size	District	Geo Site Location
GRD		HLW Repository	Geologic Repository Disposal	N	Y	A	NV	ND				
GRR1	US		Green River, UT	Y	Y	U	UT		acres	9 3		The former Green River mill and tailings site is located in the east-central portion of Utah in Grand County, 113 kilometers (70 miles) west of the Utah-Colorado border.
GUMS	US		Gunnison, CO	Y	Y	U	CO		acres	61 3		The Gunnison former mill site is located southwest of the City of Gunnison and adjacent to the Gunnison airport.
HAFB	AL		Holloman Air Force Base	Y	N	O	NM		bldg	1 2		Holloman Air Force Base is located near Albuquerque, New Mexico.
HASI	HA	Hanford	Hanford Site	Y	Y	L	WA	RD	acres	358974 4		The Hanford site is located in the southeastern part of the State of Washington
HHSC	FS		Herring-Hall Marvin Safe Co.	Y	N	F	OH		bldg	1 8		The first, second, and third floors of the HHM Safe Company in Hamilton, Ohio.
HNPF	CH		Hallam Nuclear Power Facility	Y	Y	O	NE		acres	640 1		The Hallam Nuclear Power Facility is located on a small portion of the Sheldon Power Station in Lancaster County, Nebraska, approximately 30 kilometers (19 miles) south of Lincoln, Nebraska.

Geo Site Code	SSL Code	Geo Site Shortname	Geo Site Name	EM Site	DOE Site	Geo Site Type	State Code	Geo Site Category	Geo Site Units	Geo Site Size	District	Geo Site Location
INEL	IN	Idaho	Idaho National Engineering and Environmental Laboratory	Y	Y	L	ID	RD	acres	570512	2	The Idaho National Engineering and Environmental Laboratory (INEEL) occupies 890 square miles in a remote desert area in southern Idaho along the western edge of the Eastern Snake River Plain.
INGA	FS		National Guard Armory	Y	N	F	IL			0		The National Guard Armory (Washington Park Armory) is located at 52nd Street and Cottage Grove in Chicago, Illinois.
KAPL		Knolls Schenectady	Knolls Atomic Power Laboratory - Schenectady	N	Y	A	NY	ND				
KATF	AL		Kauai Test Facility	Y	N	O	HI		acres	182	2	The Kauai Test Facility is located on Kauai Island, Hawaii.
KEPS	FS		Kellex/Pierpont	Y	N	F	NJ		acres	43	10	The Kellex/Pierpont site is located at the intersection of New Jersey Route 440 and Kellogg Street in Jersey City, New Jersey.
KESS		Knolls Kesselring	Knolls Atomic Power Laboratory - Kesselring	N	Y	A	NY	ND				
KSCP	KC	Kansas City	Kansas City Plant	Y	Y	O	MO	RD	acres	141	5	The Kansas City Plant is part of the Bannister Federal Complex, a 120-hectare (300-acre) site 19.2 kilometers (12 miles) south of downtown Kansas City, Missouri.

Geo Site Code	SSL Code	Geo Site Shortname	Geo Site Name	EM Site	DOE Site	Geo Site Type	State Code	Geo Site Category	Geo Site Units	Geo Site Size	District	Geo Site Location
KWIN		Knolls Windsor	Knolls Atomic Power Laboratory - Windsor	N	Y	A	CT	ND				
LAAP	FS	Latty Ave.	Latty Avenue Properties	N	Y	F	MO	ND				
LABL	LB	Lawrence Berkeley	Lawrence Berkeley National Laboratory	Y	Y	O	CA	RD	acres	134	9	The 331-hectare (134-acre) Lawrence Berkeley National Laboratory (LBNL) site is located on the western side of the Berkeley Hills adjacent to the Berkeley Campus of the University of California.
LAKE	US		Lakeview, OR	Y	Y	U	OR		acres	258	2	The former Lakeview mill and tailings site is located in south-central Oregon, approximately 26 kilometers (16 miles) north of the California-Oregon border and 155 kilometers (96 miles) east of Klamath Falls, Oregon.
LANL	LA	Los Alamos	Los Alamos National Laboratory	Y	Y	L	NM	RD	acres	27564	3	Los Alamos National Laboratory and the neighboring residential areas of Los Alamos and White Rock are located predominantly in Los Alamos County, north-central New Mexico, approximately 96 kilometers (60 miles) north-northeast of Albuquerque.

Geo Site Code	SSL Code	Geo Site Shortname	Geo Site Name	EM Site	DOE Site	Geo Site Type	State Code	Geo Site Category	Geo Site Units	Geo Site Size	District	Geo Site Location
LEHR	LH	LEHR	Laboratory for Energy-Related Health Research	Y	Y	O	CA	RD	acres	15	3	The Laboratory for Energy Related Health Research (LEHR), a surplus DOE facility, is located 2.4 kilometers (1.5 miles) south of the main campus of the University of California at Davis (UC-Davis).
LIAP	FS	Linde Air	Linde Air Products	N	Y	F	NY	ND				
LLLS	LL	Liver 300	Lawrence Livermore National Laboratory - Site 300	Y	Y	L	CA	RD	acres	7067	10	LLNL- Site 300 is approximately 24 kilometers (15 miles) southeast of the Laboratory's Main Site.
LLMS	LL	Lawrence Livermore	Lawrence Livermore National Laboratory - Main Site	Y	Y	L	CA	RD	acres	642	10	The Main Site, also known as the Livermore Site, is a 260-hectare (642-acre) site located approximately 80 kilometers (50 miles) east of San Francisco and 6.4 kilometers (4 miles) from downtown Livermore.
LOWM	US		Lowman, ID	Y	Y	U	ID		acres	37	1	The Lowman mill and tailings site is located approximately 121 kilometers (75 miles) northeast of Boise, Idaho, in the Boise National Forest.

Geo Site Code	SSL Code	Geo Site Shortname	Geo Site Name	EM Site	DOE Site	Geo Site Type	State Code	Geo Site Category	Geo Site Units	Geo Site Size	District	Geo Site Location
LRRRI	LR	ITRI	Lovelace Respiratory Research Institute	Y	Y	O	NM	RD			1	The Lovelace Respiratory Research Institute (LRRRI) formerly the Inhalation Toxicology Research Institute (ITRI) is located in north-central New Mexico, approximately 16 kilometers (10 miles) southeast of downtown Albuquerque, New Mexico.
LUCK	FS	Luckey	Luckey	N	Y	F	OH	ND				
MACW	FS	Mayhood	Maywood	N	Y	F	NJ	ND				
MAMS	UM	Maybell	Maybell, CO	Y	Y	U	CO	ND	acres	110	3	The Maybell mill and tailings site is located approximately 40 kilometers (25 miles) west of the Town of Craig in Moffat County, northwestern Colorado.
MDSN	FS	Madison	Madison	N	Y	F	IL	ND				
MEHA	US		Mexican Hat, UT	Y	Y	U	UT		acres	235	3	The former Mexican Hat mill and tailings site is located on Navajo Nation land at Halchita, Utah, about 2.4 kilometers (1.5 miles) southwest of Mexican Hat, Utah.
MEMP	MB	Mound	Miamisburg Environmental Management Project	Y	Y	L	OH	RD	acres	306	3	The Mound Plant is located in Miamisburg, Ohio, approximately 16 kilometers (10 miles) south-southwest of Dayton, Ohio.

Geo Site Code	SSL Code	Geo Site Shortname	Geo Site Name	EM Site	DOE Site	Geo Site Type	State Code	Geo Site Category	Geo Site Units	Geo Site Size	District	Geo Site Location
MFDS	MF	Maxey Flats	Maxey Flats Disposal Site	Y	N	O	KY	ND	acres	280	4	The Maxey Flats low-level waste disposal site is located approximately 14 kilometers (9 miles) northwest of Morehead, Kentucky; 104 kilometers (65 miles) northeast of Lexington, Kentucky; and 320 kilometers (200 miles) southeast of Cincinnati, Ohio.
MIML	FS		Middlesex Municipal Landfill	Y	N	F	NJ		y3	31200	7	The former Middlesex Sampling Plant is located at 239 Mountain Avenue in Middlesex, New Jersey.
MINS		Mare Island	Mare Island Naval Shipyard	N	Y	A	CA	ND				
MISP	FS	Middlesex	Middlesex Sampling Plant	N	Y	F	NJ	ND				
MIT		MIT	Massachusetts Institute of Technology	N	N	A	MA	OT				
MOVA	US		Monument Valley, AZ	Y	Y	U	AZ		acres	90	6	The former Monument Valley mill and tailings site is located on Navajo Nation land 21 kilometers (13 miles) east of Monument Valley Tribal Park, Arizona, 8 kilometers (5 miles) south of the Utah-Arizona border.
MRAP	MM	Monticello	Monticello Remedial Action Project	Y	Y	O	UT	RD	acres	108	3	Monticello Mill Tailings site and the Monticello Vicinity Properties are located near the City of Monticello in San Juan County, Utah.

Geo Site Code	SSL Code	Geo Site Shortname	Geo Site Name	EM Site	DOE Site	Geo Site Type	State Code	Geo Site Category	Geo Site Units	Geo Site Size	District	Geo Site Location
MURR		Missouri U	Missouri University Research Reactor	N	Y	A	MO	ND				
NASI	UM	Naturita	Naturita, CO	Y	Y	U	CO	ND	acres	53	3	Naturita is a former mill and tailings site located 3.2 kilometers (2 miles) northwest of the Town of Naturita in Montrose County, Colorado.
NAVY		Navy - TBD	Naval Reactors Site - TBD	N	Y	A		ND				
NEBS	FS	New Bruns.	New Brunswick Site	Y	Y	F	NJ	ND	acres	5.5	6	The New Brunswick site is located in an industrial area at 986 Jersey Avenue.
NERS	UM	New Rifle	New Rifle, CO	Y	Y	U	CO	ND	acres	33	3	The two inactive uranium processing sites at Rifle are located in the Colorado River Valley near the City of Rifle. The sites are approximately 3 kilometers (2 miles) apart and are referred to as the Old Rifle and New Rifle sites.
NFS		Nuc. Fuel Svc.	Nuclear Fuel Services, Inc.	N	N	A	TN	CM				
NFSS	FS	Niagara	Niagara Falls Storage Site	N	Y	F	NY	ND				
NFVP	FS		Niagara Falls Storage Site Vicinity Properties	Y	N	F	NY		acres	191	29	The Niagara Falls Storage Site (NFSS) is located at 1397 Pletcher Road, in Lewiston, N.Y., 10 miles north of the city of Niagara Falls.
NNS		Norfolk	Norfolk Naval Shipyard	N	Y	A	VA	ND				

Geo Site Code	SSL Code	Geo Site Shortname	Geo Site Name	EM Site	DOE Site	Geo Site Type	State Code	Geo Site Category	Geo Site Units	Geo Site Size	District	Geo Site Location
NRF		Idaho-NRF	Naval Reactor Facility	N	Y	A	ID	ND				
NSSI		NSSI	Nuclear Sources and Services, Inc.	N	N	A	TX	CM				
NVTS	NT	Nevada Test Site	Nevada Test Site	Y	Y	L	NV	RD	mi2	1350	2	The Nevada Test Site (NTS) is located approximately 104 kilometers (65 miles) northwest of Las Vegas.
OLNC	UM	Slick Rock NC	Slick Rock Old North Continent, CO	Y	Y	U	CO	ND	acres	17	3	The Slick Rock site is located in the Dolores River Valley, 4.8 kilometers (3 miles) northwest of the old post office at Slick Rock.
OLRS	UM	Old Rifle	Old Rifle, CO	Y	Y	U	CO	ND	acres	22	3	The two inactive uranium processing sites at Rifle are located in the Colorado River Valley near the City of Rifle. The sites are approximately 3 kilometers (2 miles) apart and are referred to as the Old Rifle and New Rifle sites.
ORAU	RE		Oak Ridge Associated Universities	Y	N	O	TN			0	3	The Oak Ridge Associated Universities site consists of two primary sites: the South Campus Facility - bounded by Bethel Valley Road, State Highway 62, Haw Ridge, and the Clinch River and the Freels Bend Area - 2 miles SW of the South Campus Facility

Geo Site Code	SSL Code	Geo Site Shortname	Geo Site Name	EM Site	DOE Site	Geo Site Type	State Code	Geo Site Category	Geo Site Units	Geo Site Size	District	Geo Site Location
ORTN	RE	Oak Ridge	Oak Ridge Reservation (Y-12, ORR, K-25, ORNL)	Y	Y	L	TN	RD	acres	34700	3	Oak Ridge lies in a valley between the Cumberland and the Blue Ridge mountain ranges and is bordered on two sides by the Clinch River.
OXSI	GJ		Oxnard Facility	Y	Y	O	CA			0	23	The Oxnard Facility is located in Oxnard, California.
PAIN	FS	Painesville	Painesville	N	Y	F	OH	ND				
PAPL	PX	Pantex	Pantex Plant	Y	Y	O	TX	RD	acres	16000	13	Pantex Plant is located in the Texas panhandle, approximately 27 kilometers (17 miles) northeast of downtown Amarillo.
PGDP	PA	Paducah	Paducah Gaseous Diffusion Plant	Y	Y	L	KY	RD	acres	750	1	The Paducah Gaseous Diffusion Plant is located approximately 8 kilometers (5 miles) west of the City of Paducah, Kentucky.
PGTS	NO	Gnome	Gnome-Coach	Y	Y	O	NM	RD			2	The Project Gnome Coach test was conducted in bedded salt approximately 50 kilometers (31 miles) southeast of Carlsbad, New Mexico.
PHNS		Pearl Harbor	Pearl Harbor Naval Shipyard	N	Y	A	HI	ND				
PIPL	PI	Pinellas	Pinellas Plant	Y	Y	O	FL	RD	acres	100	10	The Pinellas Plant is located 9.6 kilometers (6 miles) north of St. Petersburg in Pinellas County, Florida.

Geo Site Code	SSL Code	Geo Site Shortname	Geo Site Name	EM Site	DOE Site	Geo Site Type	State Code	Geo Site Category	Geo Site Units	Geo Site Size	District	Geo Site Location
PNPF	CH		Piqua Nuclear Power Facility	Y	Y	O	OH			0	8	The Piqua Nuclear Power Facility is located on the bank of the Great Miami River in the town of Piqua, Ohio, approximately 55 kilometers (34 miles) north of Dayton.
PNS		Ports NS	Portsmouth Naval Shipyard	N	Y	A	ME	ND				
POPR	AL		Peak Oil PRP Participation	Y	N	O	FL			0	10	The Peak Oil PRP Participation site is located in Largo, Florida.
PORT	PO	Portsmouth	Portsmouth Gaseous Diffusion Plant	Y	Y	L	OH	RD	acres	3708	6	The Portsmouth Gaseous Diffusion Plant is located in south central Ohio, approximately 32 kilometers (20 miles) north of Portsmouth, Ohio, and 112 kilometers (70 miles) south of Columbus, Ohio.
POSY	AL		Pagano Salvage Yard	Y	N	O	NM			0		The Pagano Salvage Yard is located in New Mexico
PPPL	PL	Princeton	Princeton Plasma Physics Laboratory	Y	Y	O	NJ	RD	acres	88.5	12	The Princeton Plasma Physics Laboratory (PPPL) is located on 88.5 acres of property leased from Princeton University on Site C and Site D of the James Forrestal Campus, in Plainsboro Township, Middlesex County, New Jersey.
PRBS	NO	Rio Blanco	Rio Blanco	Y	Y	O	CO	RD			3	The Rio Blanco Test Area is located approximately 36 miles northwest of Rifle, Colorado.
PRCH	NO		Project Chariot	Y	Y	O	AK			0	AL	Project Chariot is located at Cape Thompson, Alaska.

Geo Site Code	SSL Code	Geo Site Shortname	Geo Site Name	EM Site	DOE Site	Geo Site Type	State Code	Geo Site Category	Geo Site Units	Geo Site Size	District	Geo Site Location
PRGB	NO	Gasbuggy	Gasbuggy	Y	Y	O	NM	RD			3	The Project Gas Buggy Test Area is located approximately 88 kilometers (55 miles) east of Farmington, New Mexico.
PRRS	NO	Rulison	Rulison	Y	Y	O	CO	RD			3	The Rulison Test Area Site is located 22 kilometers (14 miles) southwest of Rifle, Colorado.
PRST	NO	Shoal	Shoal Site	Y	Y	O	NV	RD			2	Project Shoal is located approximately 48 kilometers (30 miles) southeast of Fallon, Nevada
PSNS		Puget Sound	Puget Sound Naval Shipyard	N	Y	A	WA	ND				
QDRX		Quadrex	Quadrex	N	N	A	FL	CM				
RFTS	RT	Rocky Flats	Rocky Flats Environmental Technology Site	Y	Y	L	CO	RD	acres	6185	6	The Rocky Flats Environmental Technology Site is located approximately 26 kilometers (16 miles) northwest of downtown Denver, Colorado, in Jefferson County.
RIVR	US		Riverton, WY	Y	Y	U	WY		acres	218	AL	The Riverton mill site and tailings pile is located 4 kilometers (2.5 miles) southwest of the center of Riverton on the north side of State Highway 789 in Fremont County, Wyoming.
RPI		RPI	Rensselaer Polytechnic Institute	N	N	A	NY	OT				

Geo Site Code	SSL Code	Geo Site Shortname	Geo Site Name	EM Site	DOE Site	Geo Site Type	State Code	Geo Site Category	Geo Site Units	Geo Site Size	District	Geo Site Location
SAFP	CH	Site A/Plot M	Site A/Plot M	Y	Y	O	IL	ND	acres	40	13	Site A/Plot M is located within the Palos Forest Preserve in Cook County, Illinois. The site is located approximately 64 kilometers (40 miles) west of metropolitan Chicago
SALC	US		Salt Lake City, UT	Y	Y	U	UT		acres	128	3	The Salt Lake City site is located about 6.4 kilometers (4 miles) south-southwest of the center of Salt Lake City.
SARS	SS	Savannah	Savannah River Site	Y	Y	L	SC	RD	acres	198336	3	The Savannah River Site (SRS) is located in west-central South Carolina and is bordered on the south west by the Savannah River.
SATS	NO	Salmon	Salmon Site	Y	Y	O	MS	RD			5	The Salmon Site is located 34 kilometers (21 miles) southwest of Hattiesburg, Mississippi.
SEG		GTS Duratek	GTS Duratek	N	N	A	TN	CM				
SEIP	FS	Seaway	Seaway Industrial Park	N	Y	F	NY	ND				
SESW	FS		Seymour Specialty Wire	Y	N	F	CT		y3	38	5	Seymour Specialty Wire Company is located on Franklin Street along the west side of the Naugatuck River and just north of State Route 67 in Seymour, Connecticut.

Geo Site Code	SSL Code	Geo Site Shortname	Geo Site Name	EM Site	DOE Site	Geo Site Type	State Code	Geo Site Category	Geo Site Units	Geo Site Size	District	Geo Site Location
SHIP	US		Shiprock, NM	Y	Y	U	NM		acres	230	3	The former Shiprock site is located on a 93-hectare (230-acre) tract of Navajo Nation land, south of the San Juan River and adjacent to the town of Shiprock, New Mexico.
SHLF	FS	Shpack	Shpack Landfill	N	Y	F	MA	ND				
SLAC	SL	Stanford Accelerator	Stanford Linear Accelerator Center	Y	Y	O	CA	RD	acres	426	14	The 172-hectare (426-acre) Stanford Linear Accelerator Center (SLAC) is located on the San Francisco Peninsula between San Francisco and San Jose, California.
SLAS	FS	St. Louis Airport	St. Louis Airport Site	N	Y	F	MO	ND				
SLDS	FS	St. Louis Downtown	St. Louis Downtown Site	N	Y	F	MO	ND				
SLVP	FS	St. Louis Vicinity	St. Louis Airport Site (Vicinity Properties)	N	Y	F	MO	ND				
SNLC	SN	Sandia CA	Sandia National Laboratories - CA	Y	Y	O	CA	ND	acres	413	10	Sandia National Laboratories/California is located in Alameda County, California, approximately 64 kilometers (40 miles) east of San Francisco.
SNLN	SN	Sandia NM	Sandia National Laboratories - NM	Y	Y	O	NM	RD	acres	2820	1	Sandia National Laboratories/New Mexico is located in Bernalillo County, 10.4 kilometers (6.5 miles) east of downtown Albuquerque.

Geo Site Code	SSL Code	Geo Site Shortname	Geo Site Name	EM Site	DOE Site	Geo Site Type	State Code	Geo Site Category	Geo Site Units	Geo Site Size	District	Geo Site Location
SPOK	US		Spook, WY	Y	Y	U	WY		acres	55	AL	The former Spook mill and tailings site is located approximately 77 kilometers (48 miles) northeast of Casper, Wyoming, in Converse County, and 51 kilometers (32 miles) northeast of Glenrock, Wyoming.
SPRU	SP	SPRU	Separations Process Research Unit	Y	Y	O	NY	RD	acres	200	21	The Separations Process Research Unit Facility (SPRU) is located approximately 3.2 kilometers (2 miles) east of the City of Schenectady in the northeastern part of Schenectady County in New York State.
SSTB	AL		Salton Sea Test Base	Y	N	O	CA			0	52	The Salton Sea Test Base is located in Imperial County, California.
SVSS	SV	South Valley	South Valley Superfund Site	Y	N	O	NM				1	The South Valley Superfund site is located in the South Valley of Albuquerque, New Mexico and is situated near the Rio Grande in an industrial portion of the city.
TBD		TBD	To Be Determined	N	N	A		TD				
TBDO		TBD - Off-Site	To Be Determined - Off-Site	N	N	A		TO				
TOTR	NT	Tonopah	Tonopah Test Range Area	Y	Y	O	NV	ND			2	The Tonopah Test Range is approximately 240 kilometers (150 miles) northwest of Las Vegas.

Geo Site Code	SSL Code	Geo Site Shortname	Geo Site Name	EM Site	DOE Site	Geo Site Type	State Code	Geo Site Category	Geo Site Units	Geo Site Size	District	Geo Site Location
TUCI	US		Tuba City, AZ	Y	Y	U	AZ		acres	105	6	The Tuba City site is located 9 kilometers (5.5 miles) east of Tuba City in Coconino County, Arizona, and 137 kilometers (85 miles) north of Flagstaff.
UMGW	UM	UMTRA GW	UMTRA Groundwater	N	Y	A		RD				
UMSW	US	UMTRA SW	UMTRA Surface	N	Y	A						
UNCC	UM	Slick Rock UC	Slick Rock Union Carbide, CO	Y	Y	U	CO	ND	acres	93	3	The Slick Rock site is located in the Dolores River Valley, 4.8 kilometers (3 miles) northwest of the old post office at Slick Rock.
UOCB	FS		University of California	Y	N	F	CA		bldg	1	43	The University of California FUSRAP site is located on the University of California-Berkeley campus in Gilman Hall only the third floor and basement areas.
UOCH	FS		University of Chicago	Y	N	F	IL		bldgs	7	1	University of Chicago FUSRAP sites were the new Chemistry Laboratory and Annex, West Stands, Ryerson Physical Laboratory, Eckhart Hall, Kent Chemical Laboratory, Jones Chemical Laboratory, and Ricketts Laboratory on the university of Chicago Campus.
UU		U. of Utah	University of Utah	N	N	A	UT	OT				
VTRN	FS	Ventron	Ventron	Y	Y	F	MA	ND	bldgs		6	The Ventron site is located in Beverley, Massachusetts.

Geo Site Code	SSL Code	Geo Site Shortname	Geo Site Name	EM Site	DOE Site	Geo Site Type	State Code	Geo Site Category	Geo Site Units	Geo Site Size	District	Geo Site Location
WIPP	WP	WIPP	Waste Isolation Pilot Project	Y	Y	L	NM	RD			2	Located in southeastern New Mexico, 26 miles east of Carlsbad, project facilities include disposal rooms excavated 2,150 feet underground in an ancient, stable salt formation.
WISS	FS	Wayne	Wayne	N	Y	F	NJ	ND				
WRGC	FS	W.R. Grace	W.R. Grace & Company	N	Y	F	MD	ND				
WSSP	WS	Weldon	Weldon Spring Site	Y	Y	L	MO	RD	acres	226	9	The Weldon Spring Site Remedial Action Project consists of 91.6 hectares (226 acres), approximately 32 kilometers (20 miles) west of St. Louis, Missouri.
WVDP	WV	West Valley	West Valley Demonstration Project	Y	Y	L	NY	RD	acres	230	31	The West Valley Demonstration Project (WVDP) is located approximately 48 kilometers (30 miles) south of Buffalo, New York.

### A-3: SSL Lookup Table

**Description:**

This table stores the valid list of Site Summary Levels (SSLs) with the associated Operations/Field Office. The SSL is a reporting level for rolled up Geographic Site and PBS information.

**Location in IDMS:**

This table is used in the Planning Module.

Ops Office Code	SSL Code	SSL Shortname	SSL Name
AL	AL	AL Ops	Albuquerque Operations Office
AL	GJ	GJO	Grand Junction Office
AL	KC	KCP	Kansas City Plant
AL	LA	LANL	Los Alamos National Laboratory
AL	LR	LRRI	Lovelace Respiratory Research Institute

Ops Office Code	SSL Code	SSL Shortname	SSL Name
AL	MF	Maxey Flats	Maxey Flats Disposal Site
AL	MM	Monticello	Monticello Remedial Action Project
AL	PI	Pinellas	Pinellas Plant
AL	PX	Pantex	Pantex Plant
AL	SN	SNL	Sandia National Laboratories
AL	SV	South Valley	South Valley Superfund Site
AL	UM	UMTRA- Groundwater	Uranium Mill Tailings Projects - Groundwater
AL	US	UMTRA-Surface	Uranium Mill Tailings Projects - Surface
CB	WP	WIPP	Waste Isolation Pilot Plant
CH	AE	ANL-E	Argonne National Laboratory - East
CH	AM	Ames	Ames Laboratory
CH	AW	ANL-W	Argonne National Laboratory - West
CH	BN	BNL	Brookhaven National Laboratory
CH	CH	CH Ops	Chicago Operations Office
CH	FR	Fermi	Fermi National Accelerator Laboratory
CH	PL	PPPL	Princeton Plasma Physics Laboratory
DD	DD	D&D Fund Deposit	D&D Fund Deposit
EH	HS	EH Health Studies	EH Health Studies
HQ	HQ	HQ Tech Support	Headquarters Technical Support
HQ	TD	TD	Technology Development
ID	IN	INEEL	Idaho National Engineering and Environmental Laboratory
MS	NP	DOE National Program	DOE National Program
NV	NO	NV Ops	Nevada Operations Office
NV	NT	NTS	Nevada Test Site
OH	AB	Ashtabula	Ashtabula Environmental Management Project
OH	CL	Columbus	Columbus Environmental Management Project
OH	FN	Fernald	Fernald Environmental Management Project
OH	MB	Miamisburg	Miamisburg Environmental Management Project
OH	OH	OH Ops	Ohio Field Office
OH	WV	West Valley	West Valley Demonstration Project
OK	ET	ETEC	Energy Technology Engineering Center
OK	GA	GA	General Atomics
OK	GE	GE	General Electric
OK	GT	GTF	Geothermal Test Facility
OK	LB	LBNL	Lawrence Berkeley National Laboratory

Ops Office Code	SSL Code	SSL Shortname	SSL Name
OK	LH	LEHR	Laboratory for Energy-Related Health Research
OK	LL	LLNL	Lawrence Livermore National Laboratory
OK	OK	OK Ops	Oakland Operations Office
OK	SL	SLAC	Stanford Linear Accelerator Center
OK	SP	SPRU	Separations Process Research Unit
OR	FS	FUSRAP	FUSRAP
OR	NL	ORNL	Oak Ridge National Laboratory
OR	OF	ORR Offsites	Oak Ridge Offsites
OR	OR	OR Ops	Oak Ridge Operations Office
OR	PA	Paducah	Paducah Gaseous Diffusion Plant
OR	PO	Portsmouth	Portsmouth Gaseous Diffusion Plant
OR	RE	ORR	Oak Ridge Reservation
OR	WS	WSSRAP	Weldon Spring Site
OS	OS	Offset	Pension Refund Offset
PD	PD	Program Direction	Program Direction
RF	RF	RF Ops	Rocky Flats Field Office
RF	RT	RFETS	Rocky Flats Environmental Technology Site
RL	HA	Hanford	Hanford Site
RL	RL	RL Ops	Richland Operations Office
SR	SR	SR Ops	Savannah River Operations Office
SR	SS	SRS	Savannah River Site
ST	SC	S&T	Science and Technology
UR	UE	Ur/Th Reimbursement	Ur/Th Reimbursement

#### A-4: Operations/Field Office Lookup Table

**Description:** This table stores the valid list of Operations/Field Offices.

**Location in IDMS:** This table is used throughout IDMS.

Ops Office Code	Ops Office Shortname	Ops Office Name	Street Address	City	State Code	Zip
AL	Albuquerque	Albuquerque Operations Office	Pennsylvania & H Street Kirtland Air Force Base	Albuquerque	NM	87116
CB	Carlsbad	Carlsbad Area Office	4021 National Parks Highway	Carlsbad	NM	88220
CH	Chicago	Chicago Operations Office	9800 South Cass Avenue	Argonne	IL	60439

Ops Office Code	Ops Office Shortname	Ops Office Name	Street Address	City	State Code	Zip
DD	D&D Fund Deposit	D&D Fund Deposit				
EH	EH Health Studies	EH Health Studies				
HQ	Headquarters Tech Support	Headquarters Technical Support	1000 Independence Avenue, S.W.	Washington, DC		20585
ID	Idaho	Idaho Operations Office	785 DOE Drive	Idaho Falls	ID	83401
MS	DOE National Program	DOE National Program				
NV	Nevada	Nevada Operations Office	232 Energy Way	North Las Vegas	NV	89030
OH	Ohio	Ohio Field Office	1 Mound Road	Miamisburg	OH	45342
OK	Oakland	Oakland Operations Office	1301 Clay Street	Oakland	CA	94612
OR	Oak Ridge	Oak Ridge Operations Office	200 Administration Road	Oak Ridge	TN	37831
OS	Offsets	Offsets				
PD	Program Direction	Program Direction				
PM	Policy and Management	Policy and Management				
RF	Rocky Flats	Rocky Flats Field Office	Highway 93rd & Cactus Street	Golden	CO	80402
RL	Richland	Richland Operations Office	825 Jadwin Avenue P.O. Box 550	Richland	WA	99352
SR	Savannah River	Savannah River Operations Office	Road 1	Aiken	SC	29801
ST	Science and Technology	Science and Technology				
UR	U/TH Reimbursement	U/TH Reimbursement				

### A-5: Appropriation Account Lookup Table

**Description:** This table stores the valid list of appropriation accounts and program accounts. Appropriation and program accounts are congressionally controlled.

**Location in IDMS:** This table is used in the Budget Module.

Account Key	Appropriation	Approp Account Shortname	Program	Status
1	Defense Facilities Closure Projects	Defense - FCP	Site Closure Fund	Yes

<b>Account Key</b>	<b>Appropriation</b>	<b>Approp Account Shortname</b>	<b>Program</b>	<b>Status</b>
2	Defense Environmental Restoration and Waste Management	Defense - ERWM	Post-2006 Completion	Yes
3	Defense Environmental Restoration and Waste Management	Defense - ERWM	Project Completion	Yes
4	Defense Environmental Restoration and Waste Management	Defense - ERWM	Program Direction	Yes
5	Defense Environmental Management Privatization	EM Privatization	Privatization	Yes
6	Defense Environmental Restoration and Waste Management	Defense - ERWM	Science & Technology	Yes
7	Uranium Enrichment Decontamination and Decommissioning Fund	UE D&D Fund	D&D Fund	Yes
8	Non-Defense Environmental Management	EM Non-Defense	Site Closure Fund	Yes
9	Non-Defense Environmental Management	EM Non-Defense	Post-2006 Completion	Yes
10	Non-Defense Environmental Management	EM Non-Defense	Project Completion	Yes
11	Non-Defense Environmental Management	EM Non-Defense	Technology Development	Yes

## A-6: B&R Code Lookup Table

**Description:** This table stores the valid list of Budget and Reporting (B&R) codes for EM. B&R codes are used in DOE's financial management systems.

**Location in IDMS:** This table is used in PSB Cost screens of the Planning Module.

PBS Code	Type	BR Code
0001	CE	EX04C2020
0001	GP	EX04C2020
0001	OE	EX04C2020
0002	CE	EX04C2030
0002	GP	EX04C2030
0002	OE	EX04C2030
0003	CE	EX04C2010
0003	GP	EX04C2010
0003	OE	EX04C2010
0004	CE	EX04C2040
0004	GP	EX04C2040
0004	OE	EX04C2040
0005	CE	EX04C4030
0005	GP	EX04C4030
0005	OE	EX04C4030
0006	CE	EX04C4040
0006	GP	EX04C4040
0006	OE	EX04C4040
0007	CE	EX04C4020
0007	GP	EX04C4020
0007	OE	EX04C4020
0008	CE	EW02BB010
0008	GP	EW02BB010
0008	OE	EW02BB010
0009	CE	EW02BB020
0009	GP	EW02BB020
0009	OE	EW02BB020
0010	CE	EW02BB030
0010	GP	EW02BB030
0010	OE	EW02BB030

PBS Code	Type	BR Code
0011	CE	EW02BB040
0011	GP	EW02BB040
0011	OE	EW02BB040
0012	CE	EW02A3050
0012	GP	EW02A3050
0012	OE	EW02A3050
0013	CE	EW03BB010
0013	GP	EW03BB010
0013	OE	EW03BB010
0015	CE	EW02A3060
0015	GP	EW02A3060
0015	OE	EW02A3060
0016	CE	EW04CC020
0016	GP	EW04CC020
0016	OE	EW04CC020
0017	CE	EW05H2010
0017	GP	EW05H2010
0017	OE	EW05H2010
0018	CE	EX05H4020
0018	GP	EX05H4020
0018	OE	EX05H4020
0023	CE	EX04C4050
0023	GP	EX04C4050
0023	OE	EX04C4050
0025	CE	EW04C1010
0025	GP	EW04C1010
0025	OE	EW04C1010
0026	CE	EX04C1010
0026	GP	EX04C1010
0026	OE	EX04C1010
0027	CE	EX04C5010
0027	GP	EX04C5010
0027	OE	EX04C5010
0028	CE	EX04C5020
0028	GP	EX04C5020
0028	OE	EX04C5020
0029	CE	EX04C3010

PBS Code	Type	BR Code
0029	GP	EX04C3010
0029	OE	EX04C3010
0030	CE	EX04CC030
0030	GP	EX04CC030
0030	OE	EX04CC030
0031	CE	EX04CC020
0031	GP	EX04CC020
0031	OE	EX04CC020
0032	CE	EX04CC010
0032	GP	EX04CC010
0032	OE	EX04CC010
0033	CE	EX04C4010
0033	GP	EX04C4010
0033	OE	EX04C4010
0034	CE	EX04C3020
0034	GP	EX04C3020
0034	OE	EX04C3020
0035	CE	EX04C6010
0035	GP	EX04C6010
0035	OE	EX04C6010
0036	CE	EW02L1320
0036	GP	EW02L1320
0036	LI	39EW02L10
0036	OE	EW02L1320
0037	CE	EW02L1330
0037	GP	EW02L1330
0037	OE	EW02L1330
0038	CE	EW02L1340
0038	GP	EW02L1340
0038	LI	39EW02L10
0038	OE	EW02L1340
0039	CE	EW02L1350
0039	GP	EW02L1350
0039	OE	EW02L1350
0040	CE	EW02L1360
0040	GP	EW02L1360
0040	OE	EW02L1360

PBS Code	Type	BR Code
0041	CE	EW02L1370
0041	GP	EW02L1370
0041	OE	EW02L1370
0042	CE	EW02L1380
0042	GP	EW02L1380
0042	OE	EW02L1380
0043	CE	EW02L1390
0043	GP	EW02L1390
0043	OE	EW02L1390
0044	CE	EW02L1480
0044	GP	EW02L1480
0044	OE	EW02L1480
0050	CE	EW02L1540
0050	GP	EW02L1540
0050	OE	EW02L1540
0051	CE	EW02L1040
0051	GP	EW02L1040
0051	OE	EW02L1040
0052	CE	EW02L1050
0052	GP	EW02L1050
0052	OE	EW02L1050
0053	CE	EW02L1060
0053	GP	EW02L1060
0053	OE	EW02L1060
0054	CE	EW02L1070
0054	GP	EW02L1070
0054	OE	EW02L1070
0055	CE	EW02L1080
0055	GP	EW02L1080
0055	OE	EW02L1080
0056	CE	EW02L1090
0056	GP	EW02L1090
0056	OE	EW02L1090
0057	CE	EW02L1100
0057	GP	EW02L1100
0057	OE	EW02L1100
0064	CE	EW02E1080

PBS Code	Type	BR Code
0064	GP	EW02E1080
0064	OE	EW02E1080
0065	CE	EW05K1340
0065	GP	EW05K1340
0065	OE	EW05K1340
0066	CE	EX02MM090
0066	GP	EX02MM090
0066	OE	EX02MM090
0068	CE	EW02MM140
0068	GP	EW02MM140
0068	OE	EW02MM140
0069	CE	none
0069	GP	none
0069	OE	none
0072	CE	EW04CC010
0072	GP	EW04CC010
0072	OE	EW04CC010
0073	CE	EW04L1230
0073	GP	EW04L1230
0073	OE	EW04L1230
0074	CE	EW04L1240
0074	GP	EW04L1240
0074	LI	39EW04L10
0074	OE	EW04L1240
0075	CE	EW04F1020
0075	GP	EW04F1020
0075	OE	EW04F1020
0076	CE	EW04C2010
0076	GP	EW04C2010
0076	OE	EW04C2010
0077	CE	none
0077	GP	none
0077	OE	none
0078	CE	EW04FF010
0078	GP	EW04FF010
0078	OE	EW04FF010
0079	CE	EW05H2020

PBS Code	Type	BR Code
0079	GP	EW05H2020
0079	OE	EW05H2020
0080	CE	EX04J1010
0080	GP	EX04J1010
0080	OE	EX04J1010
0082	CE	EW04C2020
0082	GP	EW04C2020
0082	OE	EW04C2020
0083	CE	EW04C2030
0083	GP	EW04C2030
0083	OE	EW04C2030
0084	CE	EW02J1290
0084	GP	EW02J1290
0084	OE	EW02J1290
0085	CE	EW02L1560
0085	GP	EW02L1560
0085	OE	EW02L1560
0086	TBD	TBD
0087	TBD	TBD
0088	TBD	TBD
0089	TBD	TBD
0090	TBD	TBD
0091	TBD	TBD
0092	TBD	TBD
0093	TBD	TBD
0094	TBD	TBD
0095	TBD	TBD
0096	TBD	TBD
0097	TBD	TBD
0098	TBD	TBD
0099	TBD	TBD
0100	CE	EW04L1050
0100	GP	EW04L1050
0100	OE	EW04L1050
0101	CE	EW04L1060
0101	GP	EW04L1060
0101	OE	EW04L1060

PBS Code	Type	BR Code
0102	CE	EW04L1070
0102	GP	EW04L1070
0102	OE	EW04L1070
0103	CE	EW04L1080
0103	GP	EW04L1080
0103	OE	EW04L1080
0104	CE	EW04L1090
0104	GP	EW04L1090
0104	LI	39EW04L10
0104	OE	EW04L1090
0105	CE	EW04L1100
0105	GP	EW04L1100
0105	OE	EW04L1100
0106	CE	EW04L1110
0106	GP	EW04L1110
0106	LI	39EW04L10
0106	OE	EW04L1110
0107	CE	EW04L1120
0107	GP	EW04L1120
0107	OE	EW04L1120
0108	CE	EW04L1130
0108	GP	EW04L1130
0108	LI	39EW04L10
0108	OE	EW04L1130
0109	CE	EW04L1140
0109	GP	EW04L1140
0109	LI	39EW04L10
0109	OE	EW04L1140
0110	CE	EW04L1010
0110	GP	EW04L1010
0110	OE	EW04L1010
0111	CE	EW02L1410
0111	GP	EW02L1410
0111	OE	EW02L1410
0112	CE	EW02L1420
0112	GP	EW02L1420
0112	OE	EW02L1420

PBS Code	Type	BR Code
0113	CE	EW02L1010
0113	GP	EW02L1010
0113	OE	EW02L1010
0114	CE	EW02L1020
0114	GP	EW02L1020
0114	OE	EW02L1020
0115	CE	EW02L1030
0115	GP	EW02L1030
0115	OE	EW02L1030
0116	CE	EW02LL010
0116	GP	EW02LL010
0116	OE	EW02LL010
0117	CE	EX04D1010
0117	GP	EX04D1010
0117	OE	EX04D1010
0118	CE	EW02LL020
0118	GP	EW02LL020
0118	OE	EW02LL020
0119	CE	EW04L1020
0119	GP	EW04L1020
0119	LI	39EW04L10
0119	OE	EW04L1020
0120	CE	EW04L1150
0120	GP	EW04L1150
0120	OE	EW04L1150
0121	CE	EX04D1020
0121	GP	EX04D1020
0121	OE	EX04D1020
0122	CE	EX04D1030
0122	GP	EX04D1030
0122	LI	39EX04D10
0122	OE	EX04D1030
0123	CE	EW04AA020
0123	GP	EW04AA020
0123	OE	EW04AA020
0124	TBD	TBD
0125	CE	EX04A4010

PBS Code	Type	BR Code
0125	GP	EX04A4010
0125	OE	EX04A4010
0127	CE	EX02MM010
0127	GP	EX02MM010
0127	OE	EX02MM010
0128	TBD	TBD
0129	TBD	TBD
0130	TBD	TBD
0131	TBD	TBD
0132	TBD	TBD
0133	TBD	TBD
0134	CE	EW04A7010
0134	GP	EW04A7010
0134	OE	EW04A7010
0135	CE	EW04A7020
0135	GP	EW04A7020
0135	OE	EW04A7020
0136	CE	EW04A6010
0136	GP	EW04A6010
0136	OE	EW04A6010
0137	TBD	TBD
0138	CE	EW04A1010
0138	GP	EW04A1010
0138	OE	EW04A1010
0139	TBD	TBD
0140	TBD	TBD
0141	TBD	TBD
0142	TBD	TBD
0143	TBD	TBD
0144	TBD	TBD
0145	TBD	TBD
0146	TBD	TBD
0147	CE	EW02MM010
0147	GP	EW02MM010
0147	OE	EW02MM010
0148	CE	EW02MM080
0148	GP	EW02MM080

PBS Code	Type	BR Code
0148	OE	EW02MM080
0149	CE	EW02MM020
0149	GP	EW02MM020
0149	OE	EW02MM020
0150	CE	EW02MM100
0150	GP	EW02MM100
0150	OE	EW02MM100
0151	TBD	TBD
0152	TBD	TBD
0153	CE	EW02MM050
0153	GP	EW02MM050
0153	OE	EW02MM050
0154	CE	EW02MM090
0154	GP	EW02MM090
0154	OE	EW02MM090
0155	TBD	TBD
0156	CE	EW400000
0156	GP	EW400000
0156	OE	EW400000
0157	CE	EW400000
0157	GP	EW400000
0157	OE	EW400000
0158	TBD	TBD
0159	CE	EW400000
0159	GP	EW400000
0159	OE	EW400000
0160	TBD	TBD
0161	CE	EW02MM060
0161	GP	EW02MM060
0161	OE	EW02MM060
0162	TBD	TBD
0164	CE	EW04D1010
0164	GP	EW04D1010
0164	OE	EW04D1010
0165	CE	EW02D1010
0165	GP	EW02D1010
0165	OE	EW02D1010

PBS Code	Type	BR Code
0166	CE	EW02D1020
0166	GP	EW02D1020
0166	OE	EW02D1020
0167	CE	EW04D1020
0167	GP	EW04D1020
0167	OE	EW04D1020
0168	CE	EW04D1030
0168	GP	EW04D1030
0168	OE	EW04D1030
0169	TBD	TBD
0170	CE	EW02D1040
0170	GP	EW02D1040
0170	OE	EW02D1040
0171	CE	EW02D1050
0171	GP	EW02D1050
0171	OE	EW02D1050
0172	CE	EW02D1060
0172	GP	EW02D1060
0172	OE	EW02D1060
0173	TBD	TBD
0174	TBD	TBD
0175	CE	EW02D1190
0175	GP	EW02D1190
0175	OE	EW02D1190
0176	TBD	TBD
0177	CE	EW02D1210
0177	GP	EW02D1210
0177	OE	EW02D1210
0178	CE	EW04D1130
0178	GP	EW04D1130
0178	OE	EW04D1130
0179	TBD	TBD
0180	TBD	TBD
0181	TBD	TBD
0182	TBD	TBD
0183	TBD	TBD
0184	TBD	TBD

PBS Code	Type	BR Code
0185	TBD	TBD
0186	CE	EX04D1040
0186	GP	EX04D1040
0186	OE	EX04D1040
0187	CE	EW04D1160
0187	GP	EW04D1160
0187	OE	EW04D1160
0188	TBD	TBD
0189	TBD	TBD
0190	TBD	TBD
0191	CE	none
0191	GP	none
0191	OE	none
0192	TBD	TBD
0193	CE	EW02D1090
0193	GP	EW02D1090
0193	OE	EW02D1090
0194	TBD	TBD
0195	TBD	TBD
0196	CE	EW02D1110
0196	GP	EW02D1110
0196	OE	EW02D1110
0197	TBD	TBD
0200	CE	EW04F6010
0200	GP	EW04F6010
0200	OE	EW04F6010
0202	CE	EW05K1010
0202	GP	EW05K1010
0202	OE	EW05K1010
0203	CE	EW02J1160
0203	GP	EW02J1160
0203	OE	EW02J1160
0206	CE	EW02D1160
0206	GP	EW02D1160
0206	OE	EW02D1160
0207	CE	EW04D1040
0207	GP	EW04D1040

PBS Code	Type	BR Code
0207	OE	EW04D1040
0208	CE	EW04D1050
0208	GP	EW04D1050
0208	LI	39EW02D10
0208	OE	EW04D1050
0209	CE	EW04D1060
0209	GP	EW04D1060
0209	LI	39EW04D10
0209	OE	EW04D1060
0210	CE	EW04D1070
0210	GP	EW04D1070
0210	LI	39EW04D10
0210	OE	EW04D1070
0211	CE	EW04D1080
0211	GP	EW04D1080
0211	LI	39EW04D10
0211	OE	EW04D1080
0212	CE	EW04D1090
0212	GP	EW04D1090
0212	LI	39EW04D10
0212	OE	EW04D1090
0214	CE	EW02D1170
0214	GP	EW02D1170
0214	OE	EW02D1170
0215	CE	EW04D1120
0215	GP	EW04D1120
0215	OE	EW04D1120
0216	CE	EW02D1180
0216	GP	EW02D1180
0216	OE	EW02D1180
0218	CE	EW02D1130
0218	GP	EW02D1130
0218	OE	EW02D1130
0219	CE	EW02D1140
0219	GP	EW02D1140
0219	OE	EW02D1140
0223	CE	EW02E1010

PBS Code	Type	BR Code
0223	GP	EW02E1010
0223	OE	EW02E1010
0224	CE	EW02E1020
0224	GP	EW02E1020
0224	OE	EW02E1020
0225	CE	EW02E1030
0225	GP	EW02E1030
0225	OE	EW02E1030
0226	CE	EW02E1040
0226	GP	EW02E1040
0226	OE	EW02E1040
0227	CE	EW02EE010
0227	GP	EW02EE010
0227	OE	EW02EE010
0228	CE	EW05H1010
0228	GP	EW05H1010
0228	OE	EW05H1010
0229	CE	EW05H1020
0229	GP	EW05H1020
0229	OE	EW05H1020
0230	CE	EX05H2010
0230	GP	EX05H2010
0230	OE	EX05H2010
0231	CE	EX05H2020
0231	GP	EX05H2020
0231	OE	EX05H2020
0237	CE	EW05H3050
0237	GP	EW05H3050
0237	OE	EW05H3050
0239	CE	EW05H3080
0239	GP	EW05H3080
0239	OE	EW05H3080
0240	CE	EW05H3090
0240	GP	EW05H3090
0240	OE	EW05H3090
0241	CE	EW05H3100
0241	GP	EW05H3100

PBS Code	Type	BR Code
0241	OE	EW05H3100
0246	CE	EW05H4030
0246	GP	EW05H4030
0246	OE	EW05H4030
0249	CE	EX05H5010
0249	GP	EX05H5010
0249	OE	EX05H5010
0250	CE	EX05H5020
0250	GP	EX05H5020
0250	OE	EX05H5020
0251	CE	EX05H5030
0251	GP	EX05H5030
0251	OE	EX05H5030
0252	CE	EX05H5040
0252	GP	EX05H5040
0252	OE	EX05H5040
0258	CE	EW04F6030
0258	GP	EW04F6030
0258	OE	EW04F6030
0260	CE	EX04F4010
0260	GP	EX04F4010
0260	OE	EX04F4010
0261	CE	EX04F4020
0261	GP	EX04F4020
0261	OE	EX04F4020
0262	CE	EX04F7010
0262	GP	EX04F7010
0262	OE	EX04F7010
0263	CE	EX04F1010
0263	GP	EX04F1010
0263	OE	EX04F1010
0265	CE	EX04F1020
0265	GP	EX04F1020
0265	OE	EX04F1020
0267	CE	EX04F5010
0267	GP	EX04F5010
0267	OE	EX04F5010

PBS Code	Type	BR Code
0269	CE	EX04F1010
0269	GP	EX04F1010
0269	OE	EX04F1010
0271	CE	EX04F2010
0271	GP	EX04F2010
0271	OE	EX04F2010
0275	CE	EX04F5020
0275	GP	EX04F5020
0275	OE	EX04F5020
0277	CE	EX04F4030
0277	GP	EX04F4030
0277	OE	EX04F4030
0279	CE	EX04F4040
0279	GP	EX04F4040
0279	OE	EX04F4040
0285	LI	39EW04F60
0287	CE	EX04FF020
0287	GP	EX04FF020
0287	OE	EX04FF020
0291	CE	EX04F1030
0291	GP	EX04F1030
0291	OE	EX04F1030
0329	CE	EW05K1030
0329	GP	EW05K1030
0329	OE	EW05K1030
0331	CE	EW05K1040
0331	GP	EW05K1040
0331	OE	EW05K1040
0335	CE	EW05K1060
0335	GP	EW05K1060
0335	OE	EW05K1060
0339	CE	EW05K1080
0339	GP	EW05K1080
0339	OE	EW05K1080
0341	CE	EW05K1090
0341	GP	EW05K1090
0341	OE	EW05K1090

PBS Code	Type	BR Code
0343	CE	EW05K1100
0343	GP	EW05K1100
0343	OE	EW05K1100
0345	CE	EW05K1110
0345	GP	EW05K1110
0345	OE	EW05K1110
0347	CE	EW05K1120
0347	GP	EW05K1120
0347	OE	EW05K1120
0349	CE	EW05K1130
0349	GP	EW05K1130
0349	OE	EW05K1130
0351	CE	EW05K1140
0351	GP	EW05K1140
0351	OE	EW05K1140
0355	CE	EW05K1160
0355	GP	EW05K1160
0355	OE	EW05K1160
0357	CE	EW05K1170
0357	GP	EW05K1170
0357	OE	EW05K1170
0359	CE	EW05K1180
0359	GP	EW05K1180
0359	OE	EW05K1180
0361	CE	EW05K1190
0361	GP	EW05K1190
0361	OE	EW05K1190
0363	CE	EW05K1200
0363	GP	EW05K1200
0363	OE	EW05K1200
0365	CE	EW05K1210
0365	GP	EW05K1210
0365	OE	EW05K1210
0369	CE	EW05K1240
0369	GP	EW05K1240
0369	OE	EW05K1240
0371	CE	EW05K1250

PBS Code	Type	BR Code
0371	GP	EW05K1250
0371	OE	EW05K1250
0375	CE	EW05K1270
0375	GP	EW05K1270
0375	OE	EW05K1270
0380	CE	EW05K1300
0380	GP	EW05K1300
0380	OE	EW05K1300
0384	CE	EW02J1170
0384	GP	EW02J1170
0384	OE	EW02J1170
0385	CE	EW02J1180
0385	GP	EW02J1180
0385	LI	39EW02J10
0385	OE	EW02J1180
0386	CE	EW02J1190
0386	GP	EW02J1190
0386	LI	39EW02J10
0386	OE	EW02J1190
0387	CE	EW02J1200
0387	GP	EW02J1200
0387	OE	EW02J1200
0388	CE	EW03J1010
0388	GP	EW03J1010
0388	OE	EW03J1010
0389	CE	TBD
0389	GP	TBD
0389	OE	TBD
0390	CE	EW02J1210
0390	GP	EW02J1210
0390	OE	EW02J1210
0391	CE	EW02J1220
0391	GP	EW02J1220
0391	LI	39EW02J10
0391	OE	EW02J1220
0392	CE	EW02J1230
0392	GP	EW02J1230

PBS Code	Type	BR Code
0392	OE	EW02J1230
0393	CE	EW04J1110
0393	GP	EW04J1110
0393	LI	39EW04J10
0393	OE	EW04J1110
0394	CE	EW02J1240
0394	GP	EW02J1240
0394	OE	EW02J1240
0395	CE	EW02J1250
0395	GP	EW02J1250
0395	OE	EW02J1250
0396	CE	EW02J1260
0396	GP	EW02J1260
0396	LI	39EW02J10
0396	OE	EW02J1260
0397	CE	EW02J1270
0397	GP	EW02J1270
0397	OE	EW02J1270
0398	CE	EW02J1280
0398	GP	EW02J1280
0398	LI	39EW02J10
0398	OE	EW02J1280
0401	CE	EW04J1020
0401	GP	EW04J1020
0401	LI	39EW04J10
0401	OE	EW04J1020
0402	CE	EW02J1120
0402	GP	EW02J1120
0402	OE	EW02J1120
0403	CE	EW04J1030
0403	GP	EW04J1030
0403	OE	EW04J1030
0404	CE	EW04J1040
0404	GP	EW04J1040
0404	OE	EW04J1040
0405	CE	EW04J1050
0405	GP	EW04J1050

PBS Code	Type	BR Code
0405	LI	39EW04J10
0405	OE	EW04J1050
0408	CE	EW04J1070
0408	GP	EW04J1070
0408	OE	EW04J1070
0409	CE	EW02J1140
0409	GP	EW02J1140
0409	OE	EW02J1140
0410	CE	EW04J1080
0410	GP	EW04J1080
0410	OE	EW04J1080
0411	CE	EX04J1020
0411	GP	EX04J1020
0411	OE	EX04J1020
0412	CE	EW04J1090
0412	GP	EW04J1090
0412	OE	EW04J1090
0413	CE	EW02J1150
0413	GP	EW02J1150
0413	OE	EW02J1150
0414	CE	EW04J1100
0414	GP	EW04J1100
0414	OE	EW04J1100
0415	CE	EW02J1010
0415	GP	EW02J1010
0415	OE	EW02J1010
0416	CE	EW02J1020
0416	GP	EW02J1020
0416	OE	EW02J1020
0417	CE	EW02J1030
0417	GP	EW02J1030
0417	OE	EW02J1030
0418	CE	EW02J1040
0418	GP	EW02J1040
0418	OE	EW02J1040
0419	CE	EW02J1050
0419	GP	EW02J1050

PBS Code	Type	BR Code
0419	OE	EW02J1050
0420	CE	EW02J1060
0420	GP	EW02J1060
0420	OE	EW02J1060
0421	CE	EW02J1070
0421	GP	EW02J1070
0421	OE	EW02J1070
0422	CE	EW02J1080
0422	GP	EW02J1080
0422	OE	EW02J1080
0423	CE	EW04J1010
0423	GP	EW04J1010
0423	OE	EW04J1010
0424	CE	EW02J1090
0424	GP	EW02J1090
0424	OE	EW02J1090
0425	CE	EW02J1100
0425	GP	EW02J1100
0425	LI	39EW02J10
0425	OE	EW02J1100
0426	CE	EW02J1110
0426	GP	EW02J1110
0426	OE	EW02J1110
0427	CE	EW02JJ010
0427	GP	EW02JJ010
0427	OE	EW02JJ010
0429	CE	EW02JJ020
0429	GP	EW02JJ020
0429	OE	EW02JJ020
0430	CE	EW02JJ030
0430	GP	EW02JJ030
0430	OE	EW02JJ030
0435	CE	EW02D1080
0435	GP	EW02D1080
0435	OE	EW02D1080
0436	CE	EW05K1230
0436	GP	EW05K1230

PBS Code	Type	BR Code
0436	OE	EW05K1230
0442	CE	EW02E1050
0442	GP	EW02E1050
0442	OE	EW02E1050
0443	CE	EW02E1070
0443	GP	EW02E1070
0443	OE	EW02E1070
0444	CE	EW02E1060
0444	GP	EW02E1060
0444	OE	EW02E1060
0446	CE	EU02MM0130
0446	GP	EU02MM0130
0446	OE	EU02MM0130
0448	CE	EW03D1010
0448	GP	EW03D1010
0448	OE	EW03D1010
0449	CE	none
0449	GP	none
0449	OE	none
0450	CE	EW02D1120
0450	GP	EW02D1120
0450	OE	EW02D1120
0452	CE	EW03D1020
0452	GP	EW03D1020
0452	OE	EW03D1020
0453	CE	EW02D1240
0453	GP	EW02D1240
0453	OE	EW02D1240
0461	CE	EX04F3010
0461	GP	EX04F3010
0461	OE	EX04F3010
0462	CE	EW04F6040
0462	GP	EW04F6040
0462	OE	EW04F6040
0463	CE	EW04F6050
0463	GP	EW04F6050
0463	OE	EW04F6050

PBS Code	Type	BR Code
0464	CE	EW04F6020
0464	GP	EW04F6020
0464	OE	EW04F6020
0465	CE	EW02AA010
0465	GP	EW02AA010
0465	OE	EW02AA010
0466	CE	EW04A2010
0466	GP	EW04A2010
0466	OE	EW04A2010
0467	CE	EW02A3010
0467	GP	EW02A3010
0467	OE	EW02A3010
0471	CE	EW02A3030
0471	GP	EW02A3030
0471	OE	EW02A3030
0472	CE	EW02A3040
0472	GP	EW02A3040
0472	OE	EW02A3040
0473	CE	EW04A5010
0473	GP	EW04A5010
0473	OE	EW04A5010
0475	CE	EX05A8020
0475	GP	EX05A8020
0475	OE	EX05A8020
0476	CE	EX05A1010
0476	GP	EX05A1010
0476	OE	EX05A1010
0477	CE	EX05A8010
0477	GP	EX05A8010
0477	OE	EX05A8010
0478	CE	EX05A1020
0478	GP	EX05A1020
0478	OE	EX05A1020
0479	CE	EW04A6020
0479	GP	EW04A6020
0479	OE	EW04A6020
0480	CE	EW02L1490

PBS Code	Type	BR Code
0480	GP	EW02L1490
0480	OE	EW02L1490
0481	CE	EW02L1500
0481	GP	EW02L1500
0481	OE	EW02L1500
0482	CE	EW02L1510
0482	GP	EW02L1510
0482	OE	EW02L1510
0483	CE	EW02L1520
0483	GP	EW02L1520
0483	OE	EW02L1520
0484	CE	EW02L1530
0484	GP	EW02L1530
0484	OE	EW02L1530
0485	CE	EW02L1110
0485	GP	EW02L1110
0485	OE	EW02L1110
0486	CE	EX02L1010
0486	GP	EX02L1010
0486	OE	EX02L1010
0487	CE	EW04L1160
0487	GP	EW04L1160
0487	OE	EW04L1160
0488	CE	EW04L1170
0488	GP	EW04L1170
0488	OE	EW04L1170
0489	CE	EW04L1180
0489	GP	EW04L1180
0489	LI	39EW04L10
0489	OE	EW04L1180
0490	CE	EW04L1190
0490	GP	EW04L1190
0490	LI	39EW04L10
0490	OE	EW04L1190
0491	CE	none
0491	GP	none
0491	OE	none

PBS Code	Type	BR Code
0492	CE	EW02L1430
0492	GP	EW02L1430
0492	OE	EW02L1430
0493	CE	EW02L1440
0493	GP	EW02L1440
0493	OE	EW02L1440
0495	CE	EW02L1450
0495	GP	EW02L1450
0495	OE	EW02L1450
0496	CE	EW02L1460
0496	GP	EW02L1460
0496	OE	EW02L1460
0497	CE	EW02L1550
0497	GP	EW02L1550
0497	LI	39EW02L10
0497	OE	EW02L1550
0498	CE	none
0498	GP	none
0498	OE	none
0499	CE	EW02L1120
0499	GP	EW02L1120
0499	OE	EW02L1120
0500	CE	EW02L1130
0500	GP	EW02L1130
0500	OE	EW02L1130
0501	CE	EW02L1140
0501	GP	EW02L1140
0501	OE	EW02L1140
0502	CE	EW02L1150
0502	GP	EW02L1150
0502	OE	EW02L1150
0503	CE	EW02L1160
0503	GP	EW02L1160
0503	OE	EW02L1160
0504	CE	EW02L1170
0504	GP	EW02L1170
0504	OE	EW02L1170

PBS Code	Type	BR Code
0505	CE	EW02L1180
0505	GP	EW02L1180
0505	OE	EW02L1180
0506	CE	EW02L1190
0506	GP	EW02L1190
0506	OE	EW02L1190
0507	CE	EW02L1200
0507	GP	EW02L1200
0507	OE	EW02L1200
0508	CE	EW02L1210
0508	GP	EW02L1210
0508	OE	EW02L1210
0509	CE	EW02L1220
0509	GP	EW02L1220
0509	OE	EW02L1220
0510	CE	EW02L1230
0510	GP	EW02L1230
0510	OE	EW02L1230
0511	CE	EW02L1240
0511	GP	EW02L1240
0511	OE	EW02L1240
0512	CE	EW02L1250
0512	GP	EW02L1250
0512	OE	EW02L1250
0513	CE	EW02L1260
0513	GP	EW02L1260
0513	OE	EW02L1260
0514	CE	EW02L1270
0514	GP	EW02L1270
0514	OE	EW02L1270
0515	CE	EW02L1280
0515	GP	EW02L1280
0515	OE	EW02L1280
0516	CE	EW02L1290
0516	GP	EW02L1290
0516	OE	EW02L1290
0517	CE	EW02L1300

PBS Code	Type	BR Code
0517	GP	EW02L1300
0517	OE	EW02L1300
0518	CE	none
0518	GP	none
0518	OE	none
0519	CE	EW02L1310
0519	GP	EW02L1310
0519	OE	EW02L1310
0521	CE	EX05H2040
0521	GP	EX05H2040
0521	OE	EX05H2040
0522	CE	EW05H3010
0522	GP	EW05H3010
0522	OE	EW05H3010
0523	CE	EW05H3020
0523	GP	EW05H3020
0523	OE	EW05H3020
0524	CE	EW05H3030
0524	GP	EW05H3030
0524	OE	EW05H3030
0525	CE	EW05H3040
0525	GP	EW05H3040
0525	OE	EW05H3040
0526	CE	EW05H3070
0526	GP	EW05H3070
0526	OE	EW05H3070
0527	CE	EW05H3110
0527	GP	EW05H3110
0527	OE	EW05H3110
0528	CE	EW05H3120
0528	GP	EW05H3120
0528	OE	EW05H3120
0529	CE	EW04AA010
0529	GP	EW04AA010
0529	OE	EW04AA010
0530	CE	EW05H3060
0530	GP	EW05H3060

PBS Code	Type	BR Code
0530	OE	EW05H3060
0556	CE	EW02MM040
0556	GP	EW02MM040
0556	OE	EW02MM040
0557	CE	EW02MM030
0557	GP	EW02MM030
0557	OE	EW02MM030
0558	CE	EX02MM120
0558	GP	EX02MM120
0558	OE	EX02MM120
0561	CE	EW02MM070
0561	GP	EW02MM070
0561	OE	EW02MM070
0562	CE	EW02A3020
0562	GP	EW02A3020
0562	OE	EW02A3020
0563	CE	EW02D1030
0563	GP	EW02D1030
0563	OE	EW02D1030
0564	CE	EW02D1070
0564	GP	EW02D1070
0564	OE	EW02D1070
0565	CE	EW02D1100
0565	GP	EW02D1100
0565	OE	EW02D1100
0566	CE	EW02D1150
0566	GP	EW02D1150
0566	LI	39EW02D10
0566	OE	EW02D1150
0567	CE	EW04D1100
0567	GP	EW04D1100
0567	LI	39EW04D10
0567	OE	EW04D1100
0568	CE	EW04D1110
0568	GP	EW04D1110
0568	OE	EW04D1110
0569	CE	EW02D1200

PBS Code	Type	BR Code
0569	GP	EW02D1200
0569	OE	EW02D1200
0570	CE	EW04D1140
0570	GP	EW04D1140
0570	OE	EW04D1140
0571	CE	EW02D1250
0571	GP	EW02D1250
0571	OE	EW02D1250
0572	CE	EW02D1260
0572	GP	EW02D1260
0572	OE	EW02D1260
0573	CE	EW05H4010
0573	GP	EW05H4010
0573	OE	EW05H4010
0574	CE	EW05H4020
0574	GP	EW05H4020
0574	OE	EW05H4020
0575	CE	EW05H4040
0575	GP	EW05H4040
0575	OE	EW05H4040
0576	CE	EW05H4050
0576	GP	EW05H4050
0576	OE	EW05H4050
0577	CE	EW05H4060
0577	GP	EW05H4060
0577	OE	EW05H4060
0578	CE	EW05H4070
0578	GP	EW05H4070
0578	OE	EW05H4070
0579	CE	EW05H4080
0579	GP	EW05H4080
0579	OE	EW05H4080
0580	CE	EW05H4090
0580	GP	EW05H4090
0580	OE	EW05H4090
0584	CE	EW05K1020
0584	GP	EW05K1020

PBS Code	Type	BR Code
0584	OE	EW05K1020
0585	CE	EW05K1150
0585	GP	EW05K1150
0585	OE	EW05K1150
0586	CE	EW05K1220
0586	GP	EW05K1220
0586	OE	EW05K1220
0588	CE	EW04F8010
0588	GP	EW04F8010
0588	OE	EW04F8010
0589	CE	EW05H4100
0589	GP	EW05H4100
0589	OE	EW05H4100
0590	CE	EW04L1030
0590	GP	EW04L1030
0590	LI	39EW04L10
0590	OE	EW04L1030
0591	CE	EW04L1040
0591	GP	EW04L1040
0591	LI	39EW04L10
0591	OE	EW04L1040
0592	CE	EW02L1400
0592	GP	EW02L1400
0592	LI	39EW02L10
0592	OE	EW02L1400
0593	CE	EW04A5020
0593	GP	EW04A5020
0593	OE	EW04A5020
0621	CE	EW05K1290
0621	GP	EW05K1290
0621	OE	EW05K1290
0703	CE	EW1000000
0703	GP	EW1000000
0703	OE	EW1000000
0705	CE	EW02MM110
0705	GP	EW02MM110
0705	OE	EW02MM110

PBS Code	Type	BR Code
0709	CE	EX04CC040
0709	GP	EX04CC040
0709	OE	EX04CC040
1163	TBD	TBD
2001	TBD	TBD
2002	TBD	TBD
2003	TBD	TBD
2004	TBD	TBD
2005	TBD	TBD
2006	TBD	TBD
2007	TBD	TBD
2008	TBD	TBD
2014	TBD	TBD
2015	TBD	TBD
3001	TBD	TBD
3002	TBD	TBD
3003	TBD	TBD

**A-7: Budget Authority Category/Subcategory Lookup Table**

**Description:** This table stores the valid list of category and subcategory combinations for the budget authority crosscut table at the PBS-level.

**Location in IDMS:** This table is used on Budget Authority screen in the Budget Module.

Activity Key	Category Code	Subcategory Code	Category Name	Category Shortname	Subcategory Name	Subcategory Shortname	Units Code
1	06	A	All Other Waste Types	Other Waste			M3
2	06	B	All Other Waste Types	Other Waste	Construction	Construction	M3
6	08	C	Facilities	Fac.	Deactivation - Construction	Deact.- Construction	NF
7	08	B	Facilities	Fac.	Deactivation	Deact.	NF
8	08	D	Facilities	Fac.	Deactivation - S&M	Deact.- S&M	NF
9	08	E	Facilities	Fac.	Decommissioning - Assessment	Decom.- Assess.	NF
10	08	F	Facilities	Fac.	Decommissioning - Cleanup	Decom- Cleanup	NF

Activity Key	Category Code	Subcategory Code	Category Name	Category Shortname	Subcategory Name	Subcategory Shortname	Units Code
11	08	J	Facilities	Fac.	Pre-Decommissioning Surveillance and Monitoring	Pre-Decom. S&M	NF
12	05	C	Hazardous Waste (MT)	Haz.	Construction	Construction	MT
13	05	D	Hazardous Waste (MT)	Haz.	DOE On-Site Waste	DOE On-Site	MT
14	01	A	High-Level Waste	HLW	Construction	Construction	M3
15	01	D	High-Level Waste (M3)	HLW	Storage	Storage	M3
16	01	E	High-Level Waste (M3)	HLW	Treatment	Treatment	M3
17	08	I	Facilities	Fac.	Post-Deactivation Long-Term Monitoring	Post-Deact. LTM	NF
18	04	C	Low-Level Waste (M3)	LLW	Construction	Construction	M3
19	04	E	Low-Level Waste (M3)	LLW	On-Site Disposal	On-Site Disp.	M3
20	04	F	Low-Level Waste (M3)	LLW	Ship to DOE Disposal Site	Ship to DOE Disp.	M3
21	04	G	Low-Level Waste (M3)	LLW	Storage	Storage	M3
22	04	H	Low-Level Waste (M3)	LLW	Treatment	Treatment	M3
23	03	C	Mixed Low-Level Waste (M3)	MLLW	Construction	Construction	M3
24	03	E	Mixed Low-Level Waste (M3)	MLLW	On-Site Disposal	On-Site Disp.	M3
25	03	F	Mixed Low-Level Waste (M3)	MLLW	Ship to DOE Disposal Site	Ship to DOE Disp.	M3
26	03	G	Mixed Low-Level Waste (M3)	MLLW	Storage	Storage	M3
27	03	H	Mixed Low-Level Waste (M3)	MLLW	Treatment	Treatment	M3
28	11	A	Nuclear Materials	NM	Construction	Construction	
36	11	J	Nuclear Materials	NM	Surveillance and Maintenance	S&M	

Activity Key	Category Code	Subcategory Code	Category Name	Category Shortname	Subcategory Name	Subcategory Shortname	Units Code
37	11	K	Nuclear Materials	NM	Stabilization	Stabilization	
45	12	A	Operational	Oper.	AIP/Grants	AIP/Grants	
46	12	B	Operational	Oper.	Conceptual Design Reports	Concep. Design Reports	
47	12	F	Operational	Oper.	Landlord - Construction	Landlord - Construction	
48	12	C	Operational	Oper.	Fed. Contribution to UE D&D Fund	Fed. Contribution UE D&D Fund	
49	12	D	Operational	Oper.	Intergovernmental Affairs/Public Acct.	Intergov. Affairs/Public Acct.	
50	12	E	Operational	Oper.	Landlord	Landlord	
51	12	I	Operational	Oper.	Security Investigations	Sec. Invest.	
52	12	J	Operational	Oper.	Tech. Program Support	Tech. Prog. Support	
53	12	M	Operational	Oper.	Uranium Leasing	Ur Leasing	
54	12	L	Operational	Oper.	Ur/Th Reimbursement	U/T Reimburse.	
55	08	E	Release Sites	RS	Post-RA LTS&M	Post- RA LTS&M	
56	08	A	Release Sites	RS	Assessment	Assess.	NR
57	08	B	Release Sites	RS	Cleanup	Cleanup	NR
58	08	C	Release Sites	RS	Disposal Facility (Design/Const/Op)	Disp. Fac.	
59	08	D	Release Sites	RS	Groundwater Remediation	Groundwater Rem.	
60	08	G	Release Sites	RS	PRP Payments	PRP Payments	
61	12	A	Spent Nuclear Fuel	SNF	Construction	Construction	
64	12	H	Spent Nuclear Fuel	SNF	S&M	S&M	
66	02	A	Transuranic Waste (M3)	TRU	Construction	Construction	
67	02	C	Transuranic Waste (M3)	TRU	On-Site Disposal	On-Site Disp.	M3
68	02	D	Transuranic Waste (M3)	TRU	Ship to DOE Disposal Site	Ship to DOE Disp.	M3
69	02	E	Transuranic Waste (M3)	TRU	Storage	Storage	M3
70	02	G	Transuranic Waste (M3)	TRU	Treatment	Treatment	M3

Activity Key	Category Code	Subcategory Code	Category Name	Category Shortname	Subcategory Name	Subcategory Shortname	Units Code
71	05	B	Hazardous Waste (MT)	Haz.	Commercial Waste	Commercial	MT
72	01	B	High-Level Waste (CN)	HLW	Canisters Produced	Canisters	NC
77	23	A	Remediation Waste (M3)	Rem. Waste	Generated	Generated	M3
80	14	C	National Programs	NP	National Analytical Management Program	Nat. Analytical Mgmt. Prog.	
81	14	A	National Programs	NP	Emergency Preparedness Program	Emergency Prep. Prog.	
82	14	B	National Programs	NP	Environmental and Regulatory Analysis	Envir. & Reg. Analysis	
83	14	G	National Programs	NP	Transportation and Packaging Management	Trans. & Pkg. Mgmt.	
84	14	E	National Programs	NP	Packaging Certification	Packaging Cert.	
85	14	F	National Programs	NP	Pollution Prevention	Pollution Prev.	
86	15	A	Science and Technology	S&T	Risk Policy	Risk Policy	
87	15	B	Science and Technology	S&T	Science Program	Science Program	
88	15	C	Science and Technology	S&T	Technology Development	Tech. Dev.	
89	21	A	Program Direction	PD	Program Direction	PD	
90	12	H	Operational	Oper.	Other Project Related Bridge Costs	Other Proj. Rel. Bridge Costs	
91	08	F	Release Sites	RS	Provision of Alt. Water Supply	Alt. Water Supply	
92	12	K	Operational	Oper.	Tech. Training and Education	Tech. Training & Educ.	
93	12	G	Operational	Oper.	Nuclear Criticality Safety Training	Nuclear Criticality Saf. Training	
100	12	J	Spent Nuclear Fuel	SNF	Stabilization	Stabilization	
104	25	A	Technologies	Tech.	Deployed	Deployed	Ntd

Activity Key	Category Code	Subcategory Code	Category Name	Category Shortname	Subcategory Name	Subcategory Shortname	Units Code
109	04	B	Low-Level Waste (M3)	LLW	Commercial Disposal	Comm. Disp.	M3
110	03	B	Mixed Low-Level Waste (M3)	MLLW	Commercial Disposal	Comm. Disp.	M3

**A-8: Budget Expense Types Lookup Table**

**Description:** This table stores a controlled list of expense types for budget data.

**Location in IDMS:** This table is used on the Budget Authority screen in the Budget Module and in the B&R lookup table (A-6).

Budget Type	Budget Type Name
OE	Operating
CE	Capital Equipment
GP	General Plant Projects
LI	Line-Item Funding

### A-9: CFO Peer Review Categories Lookup Table

**Description:** This table stores the valid list of CFO peer review categories.

**Location in IDMS:** This table is used in the IPL detail screen in the IPL Module.

CFO Category	CFO Category Name	CFO Category Description
1	Minimum Safety	Those surveillance, maintenance, and support activities required to control existing material, waste, and facilities in a safe, stable, condition (e.g., maintain ventilation systems to prevent buildup of explosive gases). No remediation, stabilization, or disposal will occur unless safety related. Activities which simply comply with regulatory requirements and agreements but are not necessary for safe operations will not be included.
2	Essential Services	The balance of activities required to maintain the facility without advancing the mission (e.g., security outside the site fence).
3	Significant Safety Risks	Work required to mitigate known risks (e.g., DNFSB 94Yes) which pose a significant hazard to workers, public, and/or the environment.
4	Additional Environmental Requirements	All other environmental activities (e.g., low risk environmental restoration) that have not been placed in any other of the categories.
5	Non-Proliferation	Management and disposition of foreign spent nuclear fuel and special nuclear material (e.g., IAEA).
6	Mortgage Reduction	Investing in activities that will result in lower lifecycle costs (e.g., accelerated processing to close out HLW tanks).
7	Community Mandates	Activities resulting from implementation of DOE policies. Examples include but are not limited to PILT, State Oversight, AIPs, HBCUs, Tribal Grants, cooperative agreements, emergency preparedness grants, and openness initiatives. Litigation and adjustments to under-funded pensions are also part of this classification.

### A-10: Class and Subclass Lookup Table

**Description:** This table stores the valid list of release site and facility class/subclass codes.

**Location in IDMS:** This table is used in the Release Site and Facility screens at the PBS and geographic site levels in the Planning Module.

Class Code	Subclass Code	Class Name	Subclass Name
A	1	Above Ground Material / Waste	Storage Yards and Pads

Class Code	Subclass Code	Class Name	Subclass Name
A	2	Above Ground Material / Waste	Debris Piles
A	3	Above Ground Material / Waste	Muck Piles
A	4	Above Ground Material / Waste	Scrap Yards
B	1	Waste	Miscellaneous Surface Debris
B	2	Waste	Landfills
B	3	Waste	Silos
B	4	Waste	Trenches / Outfalls
B	5	Waste	Pits
B	6	Waste	Burn Pits
B	7	Waste	Ditches
B	8	Waste	Fire Training Areas
B	9	Waste	Wells (injection, monitoring, etc.)
C	1	Mill Tailings Piles	Uranium Mill Tailings Piles
D	1	Spills and Leaks	Surface Spills
D	2	Spills and Leaks	Pipeline Leaks
E	1	Buildings & Equipment	Other Buildings
E	2	Buildings & Equipment	Equipment
E	3	Buildings & Equipment	Accelerator
E	4	Buildings & Equipment	Test Reactor
E	5	Buildings & Equipment	Uranium Enrichment Facility
E	6	Buildings & Equipment	Uranium Manufacturing Facility
E	7	Buildings & Equipment	Plutonium Manufacturing Facility
E	8	Buildings & Equipment	Fuel Reprocessing Facility
E	9	Buildings & Equipment	Production Reactor
E	10	Buildings & Equipment	Research Reactor
E	11	Buildings & Equipment	Laboratory

<b>Class Code</b>	<b>Subclass Code</b>	<b>Class Name</b>	<b>Subclass Name</b>
E	12	Buildings & Equipment	Administrative Building
E	13	Buildings & Equipment	Trailer
E	14	Buildings & Equipment	Storage Building / Warehouse
E	15	Buildings & Equipment	Security Building
E	16	Buildings & Equipment	Physical Plant
F	1	Tanks	Above Ground Storage Tanks
F	2	Tanks	Underground Storage Tanks
F	3	Tanks	Septic Tanks
G	1	Liquid Surface Impoundments	Lagoons
G	2	Liquid Surface Impoundments	Holding Ponds
G	3	Liquid Surface Impoundments	Settling and Separation Basins
G	4	Liquid Surface Impoundments	Seepage Basins
G	5	Liquid Surface Impoundments	Leach Fields
G	6	Liquid Surface Impoundments	Sumps
G	7	Liquid Surface Impoundments	Evaporation Ponds / Pits
H	1	Underground Test Area	Underground Test Areas
I	1	Surface and Groundwater	Sediments
I	2	Surface and Groundwater	Groundwater Plumes
I	3	Surface and Groundwater	Surface Water
J	1	Dispersed Surface Contamination	Land Farms
J	2	Dispersed Surface Contamination	Above Ground Tests
J	3	Dispersed Surface Contamination	Firing Ranges and Ordnance
K	1	Miscellaneous	Other

### A-11: Completion Status Lookup Table

**Description:** This table stores the valid list of release site and facility completion statuses.

**Location in IDMS:** This table is used in the Release Site and Facility Maintenance screens at the geographic site level in the Planning Module.

Comp Status	Comp Status Name	Comp Status Description
A	Approved	Documentation has been "approved" by the regulator for a completed release site or facility
P	Pending	Documentation is "pending" for a completed release site or facility

### A-12: Confidence Level Lookup Table

**Description:** This table stores the valid list of confidence levels with respect to the cost savings associated with technology.

**Location in IDMS:** This table is used in the Technology Needs screen at the PBS level in the Planning Module.

Confidence Level	Confidence Level Name
H	High
M	Medium
L	Low
U	Unknown

### A-13: Cost Category/Subcategory Lookup Table

**Description:** This table stores the valid list of category and subcategory combinations for the SSL life-cycle cost breakout.

**Location in IDMS:** This table is used in the Cost screen at the SSL in the Planning Module.

Activity Key	Category Code	Subcategory Code	Category Name	Category Shortname	Subcategory Name	Subcategory Shortname	Units Code
1	06	A	All Other Waste Types	Other Waste			M3
7	08	B	Facilities	Fac.	Deactivation	Deact.	NF
15	01	D	High-Level Waste (M3)	HLW	Storage	Storage	M3

Activity Key	Category Code	Subcategory Code	Category Name	Category Shortname	Subcategory Name	Subcategory Shortname	Units Code
16	01	E	High-Level Waste (M3)	HLW	Treatment	Treatment	M3
56	08	A	Release Sites	RS	Assessment	Assess.	NR
57	08	B	Release Sites	RS	Cleanup	Cleanup	NR
89	21	A	Program Direction	PD	Program Direction	PD	
111	20	A	D&D Fund, Uranium/Thorium	D&D, U/T			
112	10	A	Decommissioning	Decomm.			
113	22	A	Field Program Support	Field Prog.			
114	05	A	Hazardous Waste	Haz.			
115	18	A	Headquarters Program Support	HQ Prog. Support			
116	19	A	Landlord	Landlord			
117	13	A	Long-Term Surveillance and Maintenance	LTS&M			
118	04	A	Low-Level Waste	LLW			
119	03	A	Mixed Low-Level Waste	MLLW			
120	14	D	National Programs	NP			
121	11	I	Nuclear Materials	NM			
122	15	D	Science and Technology	S&T			
123	12	I	Spent Nuclear Fuel	SNF			
124	02	F	Transuranic Waste (M3)	TRU			

### A-14: Facility Hazard Codes Lookup Table

**Description:** This table stores the valid list of facility hazard codes.

**Location in IDMS:** This table is used in the Facility screens at the PBS and geographic site levels in the Planning Module.

Hazard Code	Hazard Name
NF1	Nuclear Facility, Category 1
NF2	Nuclear Facility, Category 2
NF3	Nuclear Facility, Category 3
NNF	Non-Nuclear Facility
OIF	Other Industrial Facility
RFA	Radiological Facility

### A-15: Facility Type Lookup Table

**Description:** This table stores the valid list of types of relationships between PBSs and Facilities.

**Location in IDMS:** This table is used in the Facility Maintenance screen at the geographic site level in the Planning Level.

Facility Type	Facility Type Name
C	Decommissioning
D	Deactivation

### A-16: FAWP Lookup Table

**Description:** This table stores the valid list of Focus Area Work Packages.

**Location in IDMS:** This table is used in the Technology Needs screen in the Planning Module.

FAWP ID	FAWP Name	Show Code	DOE Program
1	D&D of Tritium Contaminated Facilities	DD-01	DDFA
5	Fuel Storage Pool and Associated Facilities D&D	DD-02	DDFA

FAWP ID	FAWP Name	Show Code	DOE Program
6	Canyon Disposition Initiative	DD-03	DDFA
7	Graphite Reactor D&D	DD-04	DDFA
8	Material Recycling and Release	DD-05	DDFA
9	Laboratory Facilities D&D	DD-07	DDFA
10	Separation Process Facilities D&D	DD-08	DDFA
11	Mortgage Reduction for Post-2006 D&D	DD-09	DDFA
41	Reactor D&D	DD-10	DDFA
43	Deactivation of 321-M Fuel Fabrication Facility	DD-11	DDFA
42	D&D of Weapons Components Fabrication Facilities	DD-12	DDFA
44	Oversized Metallic TRU Waste Disposition	DD-13	DDFA
12	Nondestructive Characterization for Treatment, Transportation, and Disposal of MLL and MTRU Waste.	MW-01	MWFA
13	Treatment and Stabilization Alternative for Hg Bearing Mixed Waste	MW-02	MWFA
14	Handling Mixed Waste Contaminated Materials During Characterization, Treatment, Packaging, and Disposal	MW-03	MWFA
15	Efficient Stabilization of High Metal Content Salts and Ash Waste	MW-04	MWFA
16	Payload Enhancement for Transporting TRU Waste within Restrictive Regulatory Limits	MW-05	MWFA
17	Monitoring and Removing Hazardous and Radioactive Contaminants from Off Gas Streams	MW-06	MWFA

FAWP ID	FAWP Name	Show Code	DOE Program
18	Alternatives to Incineration to Reduce Emission Hazards.	MW-07	MWFA
19	Facilitating Deployment for Unique Wastes	MW-08	MWFA
45	Untitled (pending title by FA)	NMFA-02	PLUTOFA
46	Untitled (pending title by FA)	NMFA-03	PLUTOFA
47	Need met by a Non-OST Technology	Non-OST	Non-OST
20	Characterization, Monitoring, Modeling and Analysis	SC-01	SCFA
21	Subsurface Barrier Systems	SC-02	SCFA
22	Stabilization in the Vadose Zone	SC-03	SCFA
23	Long-Lived Caps	SC-04	SCFA
24	In Situ Passive Treatment	SC-05	SCFA
25	Bioreactive Treatment	SC-06	SCFA
26	Vadose Zone Chemical Treatment	SC-07	SCFA
27	Saturated Zone Chemical Treatment	SC-08	SCFA
28	Deep Access and Delivery Methods	SC-09	SCFA
29	Hot Spot Removal	SC-10	SCFA
30	Containment/Stabilization Verification & Monitoring	SC-11	SCFA
31	Required Steps to Tank Closure at Hanford, ORR, Idaho, and SRS	TFA-1	TFA
40	Onsite Disposal Preparation and Evaluation for Hanford, SRS	TFA-10	TFA
32	Waste Immobilization and Product Acceptance Required to Meet DWPF Schedule, Hanford Phase I and 2 Privatization, and Idaho Title 1 Design	TFA-2	TFA
33	Alternative Paths to In-Tank Precipitation at SRS	TFA-3	TFA

FAWP ID	FAWP Name	Show Code	DOE Program
34	Slurry Preparation for Feed to HLW Vitrification at SRS and Hanford and Radioactive Tank Waste Preparation at ORR	TFA-4	TFA
35	Hanford Tanks Initiative	TFA-5	TFA
36	Pretreatment to Reduce Volume of HLW and LLW Waste Forms at SRS, Idaho, Hanford and Oak Ridge	TFA-6	TFA
37	Immobilization Process for Idaho Supporting Title 1 Design; Immobilization Evaluation for ORR Privatization and Hanford Capsules	TFA-7	TFA
38	Enhancements to Melter Operations at SRS and Improved Waste Glass Performance Assumption to Reduce Costs for Disposal at Hanford	TFA-8	TFA
39	Safe Retrieval and Waste Transfer at Hanford, SRS and Idaho	TFA-9	TFA

### A-17: FIMS ID Lookup Table

**Description:** This table stores the valid list of Facilities Information Management System (FIMS) names, FIMS-assigned identifications, user-assigned identifications, and geographic site code.

**Location in IDMS:** This table is used in the Facility Maintenance screen at the geographic site level in the Planning Module.

*Valid list to be provided*

### A-18: Hazard and Risk Pathway Lookup Table

**Description:** This table stores the valid list of hazard and risk pathways.

**Location in IDMS:** This table is used in the Risk detail screen at the geographic site level in the Planning Module.

Pathway	Pathway Name
E	Environment
P	Public
W	Worker

### A-19: Milestone Status Lookup Table

**Description:** This table stores the valid value for milestone status.

**Location in IDMS:** This table is used in the Milestone detail screen at the PBS level in the Planning Module.

Status Code	Status Name
A	Active

### A-20: No Action Determination Lookup Table

**Description:** This table stores the valid responses for a no action determination for release sites and facilities.

**Location in IDMS:** This table is used in the Release Site and Facility screens at the PBS and geographic site level on the Planning Module.

No Action	No Action Name
Y	No Action
N	Response Required

### A-21: Non-EM Cost Categories Lookup Table

**Description:** This table stores the valid list of non-EM cost categories.

**Location in IDMS:** This table is used in Cost screen, when adding an organization, at the PBS level in the Planning Module.

Non-EM Category	Non-EM Category Shortname	Non-EM Category Name
1	Newly Generated	Newly Generated Waste

Non-EM Category	Non-EM Category Shortname	Non-EM Category Name
2	Other	Other Than Newly Generated Waste

## A-22: Organization Lookup Table

**Description:** This table stores the valid list of DOE and Non-DOE organizations.

**Location in IDMS:** This table is used on the Cost screen at the PBS level and on the Stewardship screen at the geographic site level in the Planning Module.

Org Code	Organization Name	DOE Org
BL	Bureau of Land Management	N
DA	Department of the Army	N
DO	DOE-Other or unknown	Y
DP	Defense Programs	Y
DU	DOE - Unspecified Office	Y
EM	Environmental Management	Y
FG	Federal Government - Unspecified Agency	N
FM	Office of Field Management	N
FN	Federal Non-DOE	N
FR	Federal Republic of Germany (FRG)	N
GJ	Grand Junction Office	Y
IN	Department of the Interior	N
MD	Materials Disposition	Y
NE	Nuclear Energy	Y
NR	Naval Reactors	Y
OH	Other	N
OM	Office of Management and Budget	N
OT	Non-DOE sources	N
PN	Power Reactor and Nuclear Fuel Development Corporation, Japan (PNC)	N
PR	Private	N
RC	Nuclear Regulatory Commission	N
RW	Radioactive Waste	Y
SA	State	N
SC	Office of Science	Y
SO	Site Owner	N

Org Code	Organization Name	DOE Org
ST	States/Tribes	N
UN	Unknown	N

### A-23: Performance Measure Category/Subcategory Lookup Table

**Description:** This table stores the valid list of performance measure category and subcategory combinations.

**Location in IDMS:** This table is used in the Waste, Nuclear Materials, Spent Nuclear Fuel, and Technology Deployment screens in the Planning Module.

Activity Key	Category Code	Subcategory Code	Category Name	Category Shortname	Subcategory Name	Subcategory Shortname	Units Code
1	06	A	All Other Waste Types	Other Waste			M3
7	08	B	Facilities	Fac.	Deactivation	Deact.	NF
8	08	D	Facilities	Fac.	Deactivation - S&M	Deact.- S&M	NF
9	08	E	Facilities	Fac.	Decommissioning - Assessment	Decom.- Assess.	NF
10	08	F	Facilities	Fac.	Decommissioning - Cleanup	Decom- Cleanup	NF
13	05	D	Hazardous Waste (MT)	Haz.	DOE On-Site Waste	DOE On-Site	MT
15	01	D	High-Level Waste (M3)	HLW	Storage	Storage	M3
16	01	E	High-Level Waste (M3)	HLW	Treatment	Treatment	M3
17	08	I	Facilities	Fac.	Post-Deactivation Long-Term Monitoring	Post-Deact. LTM	NF
19	04	E	Low-Level Waste (M3)	LLW	On-Site Disposal	On-Site Disp.	M3
20	04	F	Low-Level Waste (M3)	LLW	Ship to DOE Disposal Site	Ship to DOE Disp.	M3
21	04	G	Low-Level Waste (M3)	LLW	Storage	Storage	M3
22	04	H	Low-Level Waste (M3)	LLW	Treatment	Treatment	M3
24	03	E	Mixed Low-Level Waste (M3)	MLLW	On-Site Disposal	On-Site Disp.	M3

Activity Key	Category Code	Subcategory Code	Category Name	Category Shortname	Subcategory Name	Subcategory Shortname	Units Code
25	03	F	Mixed Low-Level Waste (M3)	MLLW	Ship to DOE Disposal Site	Ship to DOE Disp.	M3
26	03	G	Mixed Low-Level Waste (M3)	MLLW	Storage	Storage	M3
27	03	H	Mixed Low-Level Waste (M3)	MLLW	Treatment	Treatment	M3
29	11	B	Nuclear Materials	NM	MDR - Other Forms of NM (Cont.)	MDR - Other NM	Ncont
30	11	C	Nuclear Materials	NM	MDR - Other NM Solution (I)	MDR - Other NM Solution	L
31	11	D	Nuclear Materials	NM	MDR - Pu Metal/Oxides/Other (Cont)	MDR - Pu	Ncont
34	11	E	Nuclear Materials	NM	MDR Onsite - Ur Other Forms (Kg Bulk)	MDR Onsite - Ur Other	Kg/B
35	11	F	Nuclear Materials	NM	MDR Onsite - Ur Solution (I)	MDR Onsite - Ur Sol.	L
38	11	L	Nuclear Materials	NM	Stabilized - Other NM Forms (HU)	Stabilized - Other NM	
39	11	R	Nuclear Materials	NM	Stabilized- Other NM Solution (I)	Stabilized - Other NM Sol.	L
40	11	M	Nuclear Materials	NM	Stabilized - Pu Metal/Oxides (containers)	Stabilized - Pu Metal/Oxides	Ncont
41	11	N	Nuclear Materials	NM	Stabilized - Pu Residue (kg Bulk)	Stabilized - Pu Res.	Kg/B
42	11	O	Nuclear Materials	NM	Stabilized - Pu Solution (I)	Stabilized - Pu Sol.	L
43	11	Q	Nuclear Materials	NM	Stabilized - Ur Solution (I)	Stabilized - Ur. Sol.	L
44	11	P	Nuclear Materials	NM	Stabilized - Ur in Other Forms (kg Bulk)	Stabilized - Ur. Other	Kg/B
56	08	A	Release Sites	RS	Assessment	Assess.	NR
57	08	B	Release Sites	RS	Cleanup	Cleanup	NR
62	12	G	Spent Nuclear Fuel	SNF	MDR (MTHM) During the Period	MDR (MTHM)	MTHM

Activity Key	Category Code	Subcategory Code	Category Name	Category Shortname	Subcategory Name	Subcategory Shortname	Units Code
63	12	K	Spent Nuclear Fuel	SNF	Stabilized (M3) During the Period	Stabilized (M3)	M3
65	12	L	Spent Nuclear Fuel	SNF	Stabilized (MTHM) During the Period	Stabilized (MTHM)	MTHM
67	02	C	Transuranic Waste (M3)	TRU	On-Site Disposal	On-Site Disp.	M3
68	02	D	Transuranic Waste (M3)	TRU	Ship to DOE Disposal Site	Ship to DOE Disp.	M3
69	02	E	Transuranic Waste (M3)	TRU	Storage	Storage	M3
70	02	G	Transuranic Waste (M3)	TRU	Treatment	Treatment	M3
71	05	B	Hazardous Waste (MT)	Haz.	Commercial Waste	Commercial	MT
72	01	B	High-Level Waste (CN)	HLW	Canisters Produced	Canisters	NC
74	08	A	Facilities	Fac.	Deactivated During Period	Deact. During Per.	NF
75	08	H	Facilities	Fac.	Not Yet Deactivated/Monitored	Not Yet Deact./Monitored	NF
76	08	G	Facilities	Fac.	In Post-Deactivation Monitoring	Post-Deact. Monitoring	NF
77	23	A	Remediation Waste (M3)	Rem. Waste	Generated	Generated	M3
78	12	F	Spent Nuclear Fuel	SNF	MDR (M3) - During the Period	MDR (M3)	M3
79	12	E	Spent Nuclear Fuel	SNF	In Stab. Process (Not Stabilized) MTHM	Stab. Process (MTHM)	MTHM
95	12	D	Spent Nuclear Fuel	SNF	In Stab. Process (Not Stabilized) M3	Stab. Process (M3)	M3
96	12	M	Spent Nuclear Fuel	SNF	Stable, Not Disposition Ready (M3)	Stable Not Dispo. Ready (M3)	M3
97	12	N	Spent Nuclear Fuel	SNF	Stable, Not Disposition Ready (MTHM)	Stable Not Dispo. Ready (MTHM)	MTHM
98	12	B	Spent Nuclear Fuel	SNF	In Disposition Ready Storage (M3)	Dispo. Ready Stor. (M3)	M3

Activity Key	Category Code	Subcategory Code	Category Name	Category Shortname	Subcategory Name	Subcategory Shortname	Units Code
99	12	C	Spent Nuclear Fuel	SNF	In Disposition Ready Storage (MTHM)	Dispo. Ready Stor. (MTHM)	MTHM
101	11	H	Nuclear Materials	NM	MDR Ship Offsite - Ur Solution (I)	MDR Offsite - Ur. Sol.	L
102	11	G	Nuclear Materials	NM	MDR Ship Offsite - Ur Other Forms (kg Bulk)	MDR Offsite - Ur Other	Kg/B
104	25	A	Technologies	Tech.	Deployed	Deployed	Ntd
105	04	D	Low-Level Waste (M3)	LLW	New Waste	New Waste	M3
106	03	D	Mixed Low-Level Waste (M3)	MLLW	New Waste	New Waste	M3
107	02	B	Transuranic Waste (M3)	TRU	New Waste	New Waste	M3
108	01	C	High-Level Waste (M3)	HLW	New Waste	New Waste	M3
109	04	B	Low-Level Waste (M3)	LLW	Commercial Disposal	Comm. Disp.	M3
110	03	B	Mixed Low-Level Waste (M3)	MLLW	Commercial Disposal	Comm. Disp.	M3
125	12	O	Spent Nuclear Fuel	SNF	Treated for Stabilization/Disposal	Treated for Stab/Disp.	M3
126	12	P	Spent Nuclear Fuel	SNF	Treated for Stabilization/Disposal	Treated for Stab/Disp.	MTHM
127	12	Q	Spent Nuclear Fuel	SNF	Moved to Dry Storage	Moved to Dry Storage	M3
128	12	R	Spent Nuclear Fuel	SNF	Moved to Dry Storage	Moved to Dry Storage	MTHM
129	12	S	Spent Nuclear Fuel	SNF	Prepared and Shipped for Consolidation	Shipped for Consolidation	M3
130	12	T	Spent Nuclear Fuel	SNF	Prepared and Shipped for Consolidation	Shipped for Consolidation	MTHM

### A-24: Programmatic Risk Lookup Table

**Description:** This table stores the valid list of programmatic risk names with the type of data (S= Stream, F= Facility, and C= Critical Closure Path) for which the programmatic risk is collected.

**Location in IDMS:** In IDMS, this table is used for critical closure path milestones on the Milestone screen at the PBS level in the Planning Module.

Risk Type	Risk Type Name	Risk Collected For
1	Inter-Site Dependency	S
2	Work Scope Definition	S
3	Technology	S
4	Work Scope Definition	F
5	Technology	F
6	Facility/Equipment Limitations	F
7	Inter-Site Dependency	C
8	Work Scope Definition	C
9	Technology	C

### A-25: Programmatic Risk Scores Lookup Table

**Description:** This table stores the valid list of programmatic risk scores with the definition of the score for each programmatic risk type.

**Location in IDMS:** In IDMS, this table is used for critical closure path milestone on the Milestone detail screen at the PBS level on the Planning side.

Risk Type Name	Risk Score	Risk Score Name
Inter-Site Dependency	1	- Activity doesn't impact another site or Site concurrence has been documented if multiple sites involved - Receiving facility has verified WAC acceptability - Funding is identified in an approved PBS and facility is ready to receive the waste/material
Inter-Site Dependency	2	- Activity doesn't impact another site or site concurrence has been documented if multiple sites are impacted - Receiving facility has verified WAC acceptability - Funding has been identified but no schedule for receipt or treatment of the waste/material exists

Risk Type Name	Risk Score	Risk Score Name
Inter-Site Dependency	3	<ul style="list-style-type: none"> <li>- Activity impacts another site, site concurrence has been verbally reached</li> <li>- Receiving facility is reviewing characterization data to determine WAC acceptability</li> <li>- Funding has been identified but no schedule for receipt or treatment of the waste/material exists</li> </ul>
Inter-Site Dependency	4	<ul style="list-style-type: none"> <li>- Activity involves multiple sites, site concurrence has been verbally reached</li> <li>- The Waste Acceptance Criteria (WAC) has not been resolved</li> <li>- No funding has been identified and no schedule for receipt or treatment of the waste/material exists</li> </ul>
Inter-Site Dependency	5	<ul style="list-style-type: none"> <li>- Activity involves multiple sites</li> <li>- No concurrence has been reached between sites</li> </ul>
Work Scope Definition	1	<ul style="list-style-type: none"> <li>- Project endpoints are determined and supported by stakeholders and Tribal Nations</li> <li>- Waste/material quantities and characteristics are well known</li> <li>- Process operations are identified and are supported by stakeholders and Tribal Nations</li> <li>- Final disposition location for waste/material has been identified and EIS ROD is pending</li> </ul>
Work Scope Definition	2	<ul style="list-style-type: none"> <li>- Project endpoints are determined and supported by stakeholders and Tribal Nations</li> <li>- Waste/material quantities and characteristics are well known</li> <li>- Process operations are identified and are supported by stakeholders and Tribal Nations</li> <li>- Final disposition location for waste/material has been identified and EIS ROD is prepared</li> </ul>
Work Scope Definition	3	<ul style="list-style-type: none"> <li>- Project endpoints are determined and is expected to be acceptable to stakeholders and Tribal Nations</li> <li>- Waste/material quantities and characteristics are broadly known</li> <li>- Process operations are identified and are expected to be acceptable to stakeholders and Tribal Nations</li> <li>- Final disposition location for waste/material has been identified and EIS is being prepared</li> </ul>
Work Scope Definition	4	<ul style="list-style-type: none"> <li>- Project endpoints are determined but may be controversial to stakeholders and Tribal Nations</li> <li>- Process operations are identified, but may be controversial to stakeholders and Tribal Nations</li> <li>- Final disposition location for waste/material has not been identified and approved</li> </ul>
Work Scope Definition	5	<ul style="list-style-type: none"> <li>- Project endpoints are not determined or supported by stakeholders and Tribal Nations</li> <li>- Waste/material quantities and characteristics are unknown</li> <li>- Process operations are not identified or supported by stakeholders and Tribal Nations</li> <li>- Final disposition location for waste/material has not been identified</li> </ul>
Technology	1	<ul style="list-style-type: none"> <li>- The technical approach is being fully executed. All critical technologies are operating according to specification.</li> <li>- Investments in science and technology are not required to meet cost and schedule requirements.</li> </ul>

Risk Type Name	Risk Score	Risk Score Name
Technology	2	<ul style="list-style-type: none"> <li>- The technical approach has been approved for all aspects of the project. All technical challenges associated with executing the project are fully understood.</li> <li>- All critical technologies are fully developed and demonstrated on site or at another location with a similar waste/material type.</li> <li>- Investments in science and technology, if any, are limited to technical assistance associated with deployment of new technology on site.</li> </ul>
Technology	3	<ul style="list-style-type: none"> <li>- The technical approach has been identified for all aspects of the project.</li> <li>- All critical technologies have been identified and have been demonstrated, as a minimum, at a pilot scale.</li> <li>- Current investments in science and technology have been identified and support the demonstration of the required technology at full scale.</li> </ul>
Technology	4	<ul style="list-style-type: none"> <li>- The technical approach has been identified for the majority of the project scope.</li> <li>- Most key technologies have been tested but some exist only at the laboratory scale.</li> <li>- Current investments in science and technology have been identified and adequately support problem resolution.</li> </ul>
Technology	5	<ul style="list-style-type: none"> <li>- The technical approach has not been identified for critical or significant portions of the project.</li> <li>- Key technologies do not exist for critical or significant portions of the project.</li> <li>- Current investments do not support the resolution of the project's science and technology needs.</li> </ul>

**A-26: State Code Lookup Table**

**Description:** This table stores the valid list of state codes.

**Location in IDMS:** This table is used in the Geographic Site and Operations/Field Office lookup tables (A-2 and A-4).

State Code	State Name
AK	Alaska
AL	Alabama
AR	Arkansas
AZ	Arizona
CA	California
CO	Colorado
CT	Connecticut
DE	Delaware
FL	Florida
GA	Georgia
HI	Hawaii

State Code	State Name
IA	Iowa
ID	Idaho
IL	Illinois
IN	Indiana
KS	Kansas
KY	Kentucky
LA	Louisiana
MA	Massachusetts
MD	Maryland
ME	Maine
MI	Michigan
MN	Minnesota
MO	Missouri
MS	Mississippi
MT	Montana
NC	North Carolina
ND	North Dakota
NE	Nebraska
NH	New Hampshire
NJ	New Jersey
NM	New Mexico
NV	Nevada
NY	New York
OH	Ohio
OK	Oklahoma
OR	Oregon
PA	Pennsylvania
PR	Puerto Rico
RI	Rhode Island
SC	South Carolina
SD	South Dakota
TN	Tennessee
TX	Texas
UT	Utah
VA	Virginia
VT	Vermont
WA	Washington

State Code	State Name
WI	Wisconsin
WV	West Virginia
WY	Wyoming

### A-27: Science and Technology Needs Lookup Table

**Description** This table stores the valid list of science and technology needs (formerly known as Site Technology Coordinating Group (STCG) Needs).

**Location in IDMS** This table is used in the Technology Needs screen at the PBS level in the Planning Module.

Need ID	Ops Office Code	Need Name	Need Code	DOE Program
447	AL	High Explosives (HE) & Barium (Ba) Remediation Of Soils, Surface Water And Groundwater	AL-07-01-01-SC	SCFA
618	AL	Cost-Effective Treatment for Low-Level Mixed Waste	AL-07-01-06-MW	MWFA
600	AL	Treatment of Mixed Waste Contaminated with Mercury	AL-07-01-07-MW	MWFA
607	AL	Remediation of Compressed Gas Cylinders	AL-07-01-08-MW	MWFA
610	AL	Mixed Waste Treatment	AL-07-01-09-MW	MWFA
603	AL	Cost effective, regulatorily acceptable treatment of Certain Low-Level Mixed Waste Streams	AL-07-01-10-MW	MWFA
605	AL	Waste Sorting and Characterization	AL-07-01-11-MW	MWFA
601	AL	Decontaminate and Decommission Radioactively Contaminated Facilities	AL-07-01-12-DD	DDFA
599	AL	Decontamination of Difficult Access Interior Contamination	AL-07-01-13-DD	DDFA
621	AL	Appropriate Characterization of TRU Waste Now Stored in Fiberglass Reinforced Plywood Boxes for Waste Isolation Pilot Project (WIPP)	AL-07-01-14-MW	MWFA
549	AL	Cost-Effective Mechanism For Stabilization of Landfills	AL-07-01-15-SC	MWFA
536	AL	Treatment of Classified Inorganic Debris with Toxicity Characterization Leaching Procedure (TCLP) Metals	AL-07-02-01-MW	MWFA
531	AL	Low-Level Radioactive Waste Landfill Cap Design, Tritium Treatment/Removal Technology, In-Situ Vitrification, and Pressure Grouting	AL-07-02-03-SC	SCFA
533	AL	Characterization of Excess Legacy Material - Reactor Experiments	AL-07-02-06-MW	MWFA
510	AL	Non-Intrusive Removal of Polychlorinated Biphenols (PCBs) from Soil Both Above and Below the Water Table Underneath Buildings	AL-07-04-01-SC	SCFA
523	AL	Decontamination and Decommissioning (D&D) Technology Development	AL-07-06-01-DD	DDFA
509	AL	Advanced Methods for Destruction of 1,3,5-Triamino-2,4,6-Trinitrobenzene (TATB) High Explosive	AL-07-06-01-MW	MWFA
517	AL	Pollution Prevention via Thermal Processing of Materials in Inventory	AL-07-06-03-MW	MWFA

Need ID	Ops Office Code	Need Name	Need Code	DOE Program
554	AL	In Situ Remediation Of HE, Solvents, VOCs, SVOCs, Heavy Metals, And Landfill Materials	AL-07-06-04-SC	SCFA
515	AL	Hydrologic Performance Monitoring of Engineered Covers	AL-07-09-02-SC	SCFA
552	AL	Cost Effective Technologies for Addressing TRU in Soils and Sediments	AL-08-01-16-SC	SCFA
613	AL	Certiifiability of Newly Generated TRU Waste	AL-08-01-17-MW	MWFA
539	AL	Treatment of Sorbed Tritiated Oil Waste	AL-08-02-09-MW	SCFA
516	AL	Decontamination of Concrete Surfaces Contaminated with Radionuclides and High Explosive Materials Using Microbially Influenced Degradation (MID)	AL-08-06-02-DD	DDFA
511	AL	Enzyme-Based Method for Destruction of 1,3,5-Triamino-2,4,6-Trinitrobenzene (TATB) and 2,4,6-Trinitrophenylmethylnitramine (Tetryl) Bulk High Explosive.	AL-08-06-04-MW	MWFA
520	AL	Catalyzed Electrochemical Oxidation of Organic Waste, Bulk High Explosives (HE), and HE Waste Streams	AL-08-06-05-MW	MWFA
604	AL	Uranium, Metals and HE Remediation of Soils and Surface Waters at Firing Sites	AL-09-01-01-SC	SCFA
926	AL	Transport of HE and Metals in Fractured Rock and Surface Alluvial Systems	AL-09-01-01-SC-S	SCFA
927	AL	Radiological Air Monitoring Needs for Current D&D / ER Operations	AL-09-01-02-DD-S	DDFA
611	AL	Advanced Screening Technologies to Detect HE and Metals in Soils at Firing Sites.	AL-09-01-02-SC	SCFA
614	AL	Regulatory Approved Long Term Monitoring Techniques to Evaluate the Effectiveness of Material Disposal Area Engineered Covers	AL-09-01-03-SC	SCFA
928	AL	Succession and Long-Term Performance of Landfill Covers	AL-09-01-03-SC-S	SCFA
929	AL	Methodology for Effective D&D of Large Environmental Sites	AL-09-01-04-DD-S	DDFA
616	AL	Environmental Disposition from TRU Waste Source Terms	AL-09-01-04-SC	SCFA
617	AL	Mobile Analysis Methods for Hazardous Metals in TRU Waste	AL-09-01-05-MW	MWFA
930	AL	Decision Support Assistance for Remediation and Assessment Design	AL-09-01-05-SC-S	SCFA
620	AL	Mobile Neutron Assay System (Mn/aS) for SWBs	AL-09-01-06-MW	MWFA
931	AL	Issue of Scale in Flow Prediction and Contaminant Remediation in Porous Media	AL-09-01-06-SC-S	SCFA
619	AL	Portable Tomographic Gamma Scanner (TGS) System	AL-09-01-07-MW	MWFA
932	AL	Integration of Reactive Chemistry into Field-Scale Transport Models	AL-09-01-07-SC-S	SCFA
615	AL	Processing Tritiated Mixed Wastes For Tritium Recovery and Waste Elimination	AL-09-01-08-MW	MWFA
933	AL	Differences Between Saturated and Unsaturated Systems	AL-09-01-08-SC-S	SCFA
612	AL	Integrated Systems Approach to the Destruction and Treatment of Both Solid and Liquid Combustible Pu-238 Contaminated Waste	AL-09-01-09-MW	MWFA

Need ID	Ops Office Code	Need Name	Need Code	DOE Program
934	AL	Quantifying Uncertainty in Predictions of Remediation Performance	AL-09-01-09-SC-S	SCFA
608	AL	Integrated Systems Approach to the Destruction and Treatment of Both Solid and Liquid Combustible Pu-239 Contaminated Waste	AL-09-01-10-MW	MWFA
935	AL	Physics of Fracture Flow and Transport in the Vadose Zone	AL-09-01-10-SC-S	SCFA
606	AL	Characterization of Equipment Potentially Contaminated with Alpha Emitting Transuranic (TRU) Radionuclides	AL-09-01-11-MW	MWFA
936	AL	Water Fluxes and Solute Transport in Arid and Semiarid Environments	AL-09-01-11-SC-S	SCFA
602	AL	Decontamination and Volume Reduction of TRU and LLW Metals	AL-09-01-12-MW	MWFA
937	AL	Groundwater-Surface Water Interactions	AL-09-01-12-SC-S	SCFA
598	AL	On-Site Quantitation of Plutonium and Americium in Soil and Concrete Rubble from D&D Projects	AL-09-01-13-DD	DDFA
673	AL	Disposal & Recycle Technologies for Scrap Uranium Chips and Turnings	AL-09-01-13-MW	MWFA
938	AL	Low-Frequency Stress-Wave Stimulation for Enhanced Transport of NAPL Groundwater Contaminants	AL-09-01-13-SC-S	SCFA
566	AL	Quantitation of Tritium in Concrete Rubble from D&D Projects	AL-09-01-14-DD	DDFA
674	AL	Elimination of Layers of Confinement in TRU Waste Containers	AL-09-01-14-MW	MWFA
939	AL	Vadose Zone Flux Rates	AL-09-01-14-SC-S	SCFA
565	AL	Disposal & Recycle Technologies for Scrap Uranium Chips and Turnings	AL-09-01-15-DD	DDFA
679	AL	Improved method for measuring the hydrogen generation rate from TRU waste drum.	AL-09-01-15-MW	MWFA
940	AL	Separation of Metals and Radionuclides from Uncontaminated Soils; Transport of Metals and Radionuclides in Sediments and Surface Alluvial Systems	AL-09-01-15-SC-S	SCFA
682	AL	Evaluation of Hydrogen G-values for TRU Waste Types	AL-09-01-16-MW	MWFA
551	AL	NEPA Analysis to Support Disposal of Radioactive Sealed Source Devices Meeting the Definition of GTCC-LLW	AL-09-01-16-NM	MWFA
941	AL	Extrapolation Bias and Uncertainty from using Biomarkers and Numerical Models to Predict Real Ecological Effects	AL-09-01-16-Risk-S	Other
686	AL	Robust Hydrogen Getters for TRU Waste	AL-09-01-17-MW	MWFA
542	AL	Development of Performance Objectives for Disposal of Radioactive Sealed Source Devices Meeting the Definition of GTCC-LLW	AL-09-01-17-NM	MWFA
942	AL	Stress Corrosion Cracking of Stainless Steel in Nitric Acid / Halide Environments	AL-09-01-17-Pu-S	PLUTOFA
943	AL	Oxidation of Non-Perchnetate Species	AL-09-01-18-Tanks-S	TFA
944	AL	Re-packaging of High Thermal Wattage TRU Waste Drums to Meet DOE Gas Generation Regulations	AL-09-01-19-MW-S	MWFA

Need ID	Ops Office Code	Need Name	Need Code	DOE Program
945	AL	Replacement of Pb-loaded Gloves with Non-Hazardous Alternatives for Use in Handling Actinides	AL-09-01-20-MW-S	MWFA
946	AL	Chemical Passivation of Spent Fuel Elements After Transfer from Wet to Dry Storage to Mitigate Future Corrosion in a Long-term Dry Storage Environment	AL-09-01-21-SNF-S	SPNFNP
947	AL	High Volume Throughput Reduction of Nitrates in Wastewater Discharge Systems	AL-09-01-22-MW-S	MWFA
948	AL	Selective Aqueous Non-invasive Extractions of Low and Medium Fired PuO <sub>2</sub> from High Level Wastes, Residues, and Concentrates	AL-09-01-23-Pu-S	PLUTOFA
949	AL	Radioassay of Remote-Handled Transuranic (RH-TRU) Waste Containers to Meet WIPP Data Quality	AL-09-01-24-MW-S	MWFA
950	AL	Radioassay of Very Large Containers of Low-Level Contact-Handled Transuranic (CH-TRU) Waste to Meet WIPP Data Quality Assurance Objectives	AL-09-01-25-MW-S	MWFA
951	AL	Determination of the Fissile Content of Spent Nuclear Fuel Stored at DOE Facilities	AL-09-01-26-SNF-S	SPNFNP
952	AL	Long-term Monitoring Sensor Technology	AL-09-01-27-SC-S	SCFA
953	AL	Scientific Basis for Vadose Zone Monitoring Systems	AL-09-01-28-SC-S	SCFA
954	AL	Natural Attenuation Confirmatory Data for Supporting Protocol Development	AL-09-01-29-SC-S	SCFA
955	AL	Accepted Ecological Transfer Factors to Support Analyses of Residual Risk	AL-09-01-30-SC-S	SCFA
519	AL	Long-term Site Monitoring System	AL-09-02-01-SC	SCFA
521	AL	Environmental Restoration (ER) Site Hazard Information System	AL-09-02-02-SC	SCFA
522	AL	Landfill/ Surface Covers	AL-09-02-03-SC	SCFA
524	AL	Natural Attenuation Protocols for Supporting Final Closure of Contaminated Sites	AL-09-02-04-SC	SCFA
525	AL	Ecological Risk Transfer Factors	AL-09-02-05-SC	SCFA
529	AL	A real-time tritium monitor is needed to support remediation, closure, and long-term monitoring of sites contaminated with tritium.	AL-09-02-06-SC	SCFA
644	AL	On-site Macroencapsulation	AL-09-02-07-MW	MWFA
540	AL	In-Situ Remediation of 25 Material Disposal Areas (MDAs)	AI-07-01-02-SC	SCFA
546	AL	Contamination Plumes in Soil and Tuff	AI-07-01-03-SC	SCFA
645	CB	On-line hydrogen and VOC analysis using low cost microsensors for CH-TRU and RH-TRU waste containers	CAO-99-01	MWFA
646	CB	Mobile RH-TRU Waste Handling System	CAO-99-02	MWFA
647	CB	Quantitative evaluation of waste drum integrity with advanced nondestructive inspection (NDI) techniques	CAO-99-03	MWFA
648	CB	Sampling and Characterization of Remote-Handled Wastes	CAO-99-04	MWFA

Need ID	Ops Office Code	Need Name	Need Code	DOE Program
649	CB	Automated Data Review and Validation	CAO-99-05	MWFA
671	CB	Layer Reduction by Grout Injection	CAO-99-06	MWFA
672	CB	Small Quantity Waste Generation Site (SQS) interface to WIPP Waste Information System (WWIS)	CAO-99-07	MWFA
478	CH	Decontamination of Exterior Fixed Surface Contamination of the 310 Retention Tanks	CH-DD02-99	DDFA
479	CH	Metal Decontamination (tank internals)	CH-DD03-99	DDFA
480	CH	Improved Worker Protection Equipment	CH-DD04-99	DDFA
481	CH	Size Reduction of Large Concrete Structures	CH-DD05-99	DDFA
482	CH	Size Reduction of Massive Metal Structures	CH-DD06-99	DDFA
508	CH	Decontamination of Fixed Surface Contamination of Concrete (thin layer removal)	CH-DD07-99	DDFA
629	CH	Remote Decontamination of In-ground Concrete Structures	CH-DD08-99	DDFA
527	CH	Tritium Removal By Laser Heating.	CH-DD09-99	DDFA
501	CH	Improved Waste Packaging for Remote Handled Waste	CH-DD10-99	DDFA
626	CH	Remote Characterization of In-Ground Concrete Structures	CH-DD11-99	DDFA
506	CH	Standardized Robotics Tooling	CH-DD12-99	DDFA
274	CH	Treatment of Hg Mixed Waste from Chemical Holes	CH-MW01-99	MWFA
453	CH	Treatment of PCB-Contaminated Low Level Radioactive Waste	CH-MW02-99	MWFA
459	CH	Lead Removal, Segregation and Disposal	CH-MW03-99	MWFA
217	CH	Remediation of Strontium-90 Contaminated Groundwater	CH-SS01-99	SCFA
360	CH	Treatment of Radioactive Contaminated Soils	CH-SS03-99	SCFA
633	CH	In-situ Remediation of Petroleum Products in Low Permeability Soil	CH-SS05-98	SCFA
1	ID	Detect and Mitigate Microbiologically Induced Corrosion in SNF Dry Storage Containers	ID-1.1.02	Other
7	ID	Detect Interactions between Spent Nuclear Fuel and Storage Containers	ID-1.1.05	Other
8	ID	Detect Moisture Remaining Within a Complex Geometry Fuel Element	ID-1.1.07	Other
19	ID	Small Standardized Primary Containment of Degraded SNF	ID-1.1.08	Other
16	ID	Non-Destructive Radiological Assay Methods for SNF using Gamma Neutron	ID-1.1.09	Other
18	ID	Non-Destructive Determination of Fissile Material Content in SNF	ID-1.1.10	Other
30	ID	Dry Physically Entrained Water in SNF	ID-1.1.11	Other
31	ID	Determine SNF End-of-Life Values and Burn-Up based on NDA Analysis	ID-1.1.12	Other
32	ID	Stabilize U-Mo Fuel Meat Matrix	ID-1.1.13	Other
33	ID	Computer Codes for Optimal Loading of Dual Purpose Canisters	ID-1.1.14	Other
34	ID	Dry Physically Entrained Water in Crushed or Rubblized SNF	ID-1.1.15	Other
35	ID	Mechanically Dry Carbon/Graphite SNF	ID-1.1.16	Other

Need ID	Ops Office Code	Need Name	Need Code	DOE Program
36	ID	Pretreatment of Sodium & Reactive Metal SNF Prior to Electrometallurgical Processing	ID-1.1.18	SPNFNP
37	ID	NDE Technology to Detect Fuel Deterioration in Underwater Basins	ID-1.2.03	Other
38	ID	NDE Technology to Detect Water in SS or Al Clad Canisters in Underwater Basins	ID-1.2.04	Other
39	ID	Technology to Measure Integrity of Dry SNF Storage Canisters	ID-1.2.06	Other
2	ID	TRU, Cs and Sr Removal from High Activity Wastes	ID-2.1.06	TFA
3	ID	Neutralization of Newly Generated Liquid Wastes	ID-2.1.15	TFA
4	ID	Decontamination Facility/Analytical Facility Waste Reduction	ID-2.1.16	TFA
5	ID	Develop New Filter Leach Process	ID-2.1.17	TFA
6	ID	Continuous Emissions Monitor for Offgas Analysis	ID-2.1.18	MWFA
9	ID	EPA Methods Sample Collection and Analysis Verification/Development	ID-2.1.19	MWFA
10	ID	Tank Annulus/Vault Inspection	ID-2.1.20	TFA
11	ID	Low-Activity Wasteform Qualification	ID-2.1.23	MWFA
12	ID	Integration/Optimization of High Activity Waste/Low Activity Waste Process Flowsheet	ID-2.1.24	TFA
14	ID	Ion-Exchange System for Water Runoff	ID-2.1.25	MWFA
15	ID	Nested Array Fluidic Sampler for Tank Solution Characterization	ID-2.1.26	TFA
17	ID	Blowback Metal Filters for Solids (Calcine) Retrieval	ID-2.1.27	TFA
20	ID	Cs Removal from Newly Generated Liquid Waste	ID-2.1.28	TFA
21	ID	Evaluate Chloride Corrosion Potential (LET&D/PEWE/Future Processes)	ID-2.1.29	TFA
22	ID	Remove/Treat Chlorides (LET&D/PEWE/Future Processes)	ID-2.1.30	TFA
23	ID	Characterization of Entrainable Solids in Tank Waste	ID-2.1.31	TFA
24	ID	Direct Immobilization of INTEC Sodium-Bearing Waste	ID-2.1.35	MWFA
25	ID	Mercury Removal from Liquid Wastes	ID-2.1.36	MWFA
26	ID	Conditioning of Low Activity Waste for Treatment	ID-2.1.38	MWFA
27	ID	Acceptance Criteria for LAW Disposal in Underground Storage Tanks.	ID-2.1.39	TFA
28	ID	Low Activity Waste Grout Sorbent Addition to Reduce Leachability	ID-2.1.40	MWFA
29	ID	HLW Process Offgas Treatment	ID-2.1.41	MWFA
40	ID	Acceptance Criteria for Tank Closure	ID-2.1.42	TFA
41	ID	Certify LDUA Sampler as EPA-Approved Method of Sampling Tank Heel Liquids	ID-2.1.43	TFA
42	ID	Certify LDUA Sampler as EPA-Approved Method of Sampling Tank Heel Solids	ID-2.1.44	TFA
43	ID	Acceptance Criteria for Grouting Tank Heels	ID-2.1.45	TFA
44	ID	Management of Tank Heel Liquids	ID-2.1.46	TFA
45	ID	Management of Tank Heel Solids	ID-2.1.47	TFA

Need ID	Ops Office Code	Need Name	Need Code	DOE Program
46	ID	Wasteform Qualification for Low-Activity Waste in Underground Storage Tanks	ID-2.1.48	TFA
47	ID	Acceptance Criteria for High Activity Waste/Low Activity Waste	ID-2.1.49	TFA
48	ID	Solids Waste (Calcine) Retrieval	ID-2.1.50	TFA
49	ID	Develop Calcine Dissolution Kinetics for Solid/Liquid Equilibria	ID-2.1.51	TFA
50	ID	Characterization of Solids from Calcine Dissolution	ID-2.1.52	TFA
51	ID	Cs Removal from High Activity Wastes	ID-2.1.53	TFA
52	ID	TRU Removal from High Activity Wastes	ID-2.1.54	TFA
53	ID	Sr Removal from High Activity Wastes	ID-2.1.55	TFA
54	ID	Mercury Treatment for Aluminum Calcine	ID-2.1.56	MWFA
55	ID	Conditioning of HAW for Treatment	ID-2.1.57	TFA
56	ID	HAW Immobilization	ID-2.1.58	TFA
57	ID	Acceptance Criteria for Bin Set Closure	ID-2.1.62	TFA
58	ID	Universal Solvent Process for TRU, Cs and Sr Removal	ID-2.1.63	TFA
59	ID	Advanced Nuclear Assay for CH-TRU Waste Drums	ID-3.1.06	MWFA
60	ID	Need to Develop Waste Form Standards	ID-3.1.14	MWFA
61	ID	Dioxin, Mercury, and HCl/Cl <sub>2</sub> Control for Incinerator Emissions for MACT Compliance.	ID-3.1.31	MWFA
62	ID	Develop NDA Capability for Remote-Handled TRU Waste and Contact-Handled TRU Waste with Shielded RH Components	ID-3.1.32	MWFA
239	ID	Develop In-Situ Hydrogen and Volatile Organic Compound (VOC) Reduction	ID-3.1.33	MWFA
240	ID	Confinement Layer Reduction in CH-TRU Waste Drums	ID-3.1.34	MWFA
241	ID	Stored Waste Examination Pilot Plant (SWEPP) Real Time Radiography (RTR) Software for Data Automation.	ID-3.1.35	MWFA
243	ID	Improve TRU Reporting and Inventory Processing System (TRIPS)	ID-3.1.37	MWFA
244	ID	Separate TRU Waste Drum Venting from Headspace Gas Sampling.	ID-3.1.38	MWFA
63	ID	WERF Fly Ash Stabilization	ID-3.1.41	MWFA
64	ID	Non Destructive Assay for RCRA metals and chlorine in WERF incinerator feed	ID-3.1.42	MWFA
322	ID	Mechanical System to Transfer WERF Fly Ash from Storage Containers to a Stabilization Feed Hopper	ID-3.1.43	MWFA
246	ID	Volumetric Radioassay of Lead Sheet, Plate, Shot and Irregular Shapes for 'NO DOE RAD ADDED' Determinations	ID-3.1.45	DDFA
245	ID	Develop NDE Capability for Remote-Handled TRU Waste and Contact-Handled TRU Waste with Shielded RH Components	ID-3.1.46	MWFA
247	ID	Develop On-Line Product Characterization Methods for Thermal Treatment.	ID-3.2.20	MWFA
67	ID	Develop Thermal Treatment Unit Offgas CEM Monitors.	ID-3.2.32	MWFA

Need ID	Ops Office Code	Need Name	Need Code	DOE Program
609	ID	Non Destructive Assay (NDA) of WERF Ash	ID-3.2.47	MWFA
151	ID	In-Situ Debris Characterization for Partial Retrieval	ID-6.1.01	SCFA
152	ID	Real-time Field Instrumentation for Characterization and Monitoring Soils and Groundwater.	ID-6.1.02	SCFA
159	ID	In-situ Treatment of Mixed TRU Tank Wastes.	ID-6.1.03	SCFA
171	ID	In-situ Treatment of VOC Contaminated Groundwater in Deep Fractured Rock	ID-6.1.04	SCFA
172	ID	In-Situ Stabilization of Contaminated Waste	ID-6.1.23	SCFA
173	ID	Understanding the Migration of VOCs Around an ISV Melt	ID-6.1.24	SCFA
174	ID	Pretreatment of Explosives Contaminated Soil for Biological Remediation	ID-6.1.25	SCFA
175	ID	Separation of Cs, Sr, and Co in Contaminated Soils	ID-6.2.08	SCFA
176	ID	In-situ Immobilization of Radionuclides in Groundwater	ID-6.2.11	SCFA
177	ID	In-Situ Treatment of TNT/RDX Contaminated Soil	ID-6.2.22	SCFA
192	ID	Concrete Decontamination	ID-7.2.03	DDFA
194	ID	Metal Decontamination	ID-7.2.04	DDFA
195	ID	Waste Recycle	ID-7.2.05	DDFA
196	ID	Remote Characterization	ID-7.2.06	DDFA
197	ID	Remote Demolition	ID-7.2.07	DDFA
198	ID	Robotics for D & D	ID-7.2.08	DDFA
199	ID	Develop a Rapid Wood Radiological Contamination Monitor	ID-7.2.09	DDFA
200	ID	Water Treatment Technologies are Needed to Treat the Water in the Reactor Canal (TRA-660).	ID-7.2.10	DDFA
201	ID	Asbestos Wrapped/Insulated Pipe Removal and Packaging.	ID-7.2.11	DDFA
202	ID	Cutting Equipment that is Capable of Cutting Large Items in Above Ground and Underground Structures as well as Underwater.	ID-7.2.12	DDFA
203	ID	Penetrations in Concrete Floor and Demolition of Concrete Roof.	ID-7.2.13	DDFA
204	ID	Technology for Decontaminating Radionuclide Contaminated Lead Shot, Brick (including lead plate), and Sheeting Allowing Free-Release.	ID-7.2.14	DDFA
206	ID	Field Screening of Paint/Painted Surfaces to Identify Lead Contamination in the Paint.	ID-7.2.15	DDFA
207	ID	Field Screening of Lead (shot, bricks, sheeting) for Radionuclide Contamination.	ID-7.2.16	DDFA
208	ID	Field Screening of Samples and Equipment Surfaces to Identify PCB Contamination	ID-7.2.17	DDFA
209	ID	General Use Remote Tools that can Handle Small Items such as Pliers or Hooking to Rigging.	ID-7.2.18	DDFA

Need ID	Ops Office Code	Need Name	Need Code	DOE Program
210	ID	Remote/Robotic Technologies for Access and Deployment of Characterization and Sampling Tools.	ID-7.2.19	DDFA
211	ID	Underwater Radionuclide Characterization of Structures, Equipment, and Containment Pool Walls that Produces Quantitative Data.	ID-7.2.20	DDFA
212	ID	Removal of Two Reactors as Single Units.	ID-7.2.21	DDFA
254	ID	Microbial Alteration of Heavy Metal and Radionuclide Partitioning at Mineral Surfaces	ID-S.1.01	SCFA
276	ID	Continuous Emissions Monitors for Offgas Analysis	ID-S.1.02	MWFA
277	ID	Efficient and Safe Hydrogen Gas Getters for the Reduction of Hydrogen Gas in TRU Waste Containers	ID-S.1.03	MWFA
278	ID	Real-time Field Instrumentation for Characterization and Monitoring Soils and Groundwater.	ID-S.1.04	SCFA
279	ID	Nondestructive Assay (NDA) Capability for Remote-Handled Transuranic Waste	ID-S.1.05	MWFA
280	ID	Detect and Mitigate Microbiologically Induced Corrosion in Spent Nuclear Fuel Dry Storage Containers	ID-S.1.06	Other
283	ID	Facilitated Transport at DOE Disposal Sites	ID-S.1.07	SCFA
284	ID	Contaminant Transport in a Fractured Rock Vadose Zone	ID-S.1.08	SCFA
285	ID	Definition of 'Biologically Active Zones' in Fractured Rock Environments	ID-S.2.01	SCFA
286	ID	Nondestructive Assay (NDA) for Resource Conservation and Recovery Act Metal and Chlorine in Incinerator Feed	ID-S.2.02	MWFA
287	ID	Aqueous Transport of Soluble Radionuclides and Heavy Metals: Evaluation of Non-Equilibrium Processes and Native Surfaces in Porous Media	ID-S.2.03	SCFA
293	ID	Physics and Chemistry of Plasma Processing	ID-S.2.04	MWFA
295	ID	Understanding the Physics and Chemistry of Concrete Decontamination	ID-S.2.05	DDFA
297	ID	Understanding the Physics and Chemistry of Metal Decontamination	ID-S.2.06	DDFA
299	ID	Accurate, Representative Downhole Moisture Measurements in Unconsolidated, Consolidated, and Bedrock Materials	ID-S.2.07	SCFA
150	NV	Downhole Real Time Monitoring of Radiation (Mainly Tritium) in Boreholes	NV01-9902-03S	SCFA
157	NV	Deep Well Sampling	NV02-9902-01S	SCFA
155	NV	Soil Volume Reduction	NV04-9902-02	SCFA
158	NV	Oversize TRU Waste Size Reduction	NV07-9902-05	MWFA
161	NV	Nonintrusive Surveys in Pipes and Vessels	NV09-9902-12	DDFA
163	NV	Improved Detection and Characterization of Radioactive Contamination on Large Concrete and Metal Surfaces	NV10-9902-09S	DDFA
164	NV	Long-Term Stability of Void Space, Containers, and Disposed Waste	NV11-9902-07	MWFA
165	NV	Long-Term, Flexible Arid Site Closure Cover	NV12-9902-06S	SCFA

Need ID	Ops Office Code	Need Name	Need Code	DOE Program
167	NV	Long-Term Monitoring of Upward and Downward Pathways in the Vadose Zone and Closure Caps	NV18-9902-04S	SCFA
168	NV	Classified TRU Shapes Sanitization	NV19-9902-08	MWFA
170	NV	Development of Method for Sampling Soils for Volatile Organic Compounds (VOCs) for the Nevada Test Site and Other Carbonatic Soils	NV20-9902-10S	SCFA
222	NV	Roof Stabilization for Contaminated Facilities	NV21-9902-13	DDFA
224	NV	Vadose Zone Tritium Monitoring	NV22-9902-11	SCFA
631	OH	MICRO-encapsulation for Solidification/Immobilization	OH-AB-901	MWFA
637	OH	MACRO-encapsulation for Solidification/Immobilization	OH-AB-902	MWFA
635	OH	Thermal Destruction with Molten Salt Oxidation (MSO)	OH-AB-903	MWFA
639	OH	Compression Forming to Stabilize and Volume Reduce Soil	OH-AB-904	MWFA
641	OH	Electro-Thermal Plasma Treatment of Solids	OH-AB-905	MWFA
597	OH	Robotic Device to Improve Characterization of Underground Pipe Lines	OH-C901	SCFA
218	OH	Use of Groundwater Re-Injection at the FEMP as an Enhancement to Aquifer Remediation	OH-F001	SCFA
513	OH	Real-Time Personnel Monitor for Alpha Contamination	OH-F002	MWFA
623	OH	Non-Intrusive Location of Buried Items	OH-F003	SCFA
463	OH	Technitium-99 Detector/Analyzer	OH-F004	SCFA
465	OH	Real Time or In-situ soil and waste stream analyzer for FRL or WAC compliance	OH-F009	SCFA
503	OH	Safe and Efficient Process Piping and Conduit Dismantment	OH-F010	DDFA
468	OH	Stabilization of uranium in Low Permeability soil	OH-F019	SCFA
504	OH	Improved Equipment Dismantlement	OH-F027	DDFA
470	OH	Improved High Volume Air Sampler Capable of Fractionation of Airborne Particles	OH-F034	SCFA
467	OH	Enhanced Sensitivity Radon Meter	OH-F035	MWFA
472	OH	Decrease in Quantity of Uranium Contaminated Soil for Off-site Disposition	OH-F036	SCFA
474	OH	Improved In Situ Determination of Uranium & Other Gamma Emitting Radionuclides in Soil	OH-F037	SCFA
592	OH	Uranium Waste Disposition Project	OH-F038	MWFA
476	OH	On-Site Disposal Facility Cap - Vegetative Cover	OH-F039	SCFA
477	OH	On-Site Disposal Facility - Bio-Intrusion Layer	OH-F040	SCFA
514	OH	Jacketed Macroencapsulation of Mixed Wastes	OH-F041	MWFA
518	OH	Telemetric Monitoring of Heat Stress	OH-F042	DDFA
578	OH	Mixed Waste Treatment Projects	OH-F043	MWFA
595	OH	K-65 Residue Stabilization for Final Remediation	OH-F044	MWFA
585	OH	Improved Facility Survey Techniques	OH-M901	DDFA

Need ID	Ops Office Code	Need Name	Need Code	DOE Program
586	OH	Decontamination Techniques for Tritiated Gloveboxes	OH-M902	DDFA
587	OH	Method for Controlling Off-Gassing and Removable Contamination from Tritium Piping	OH-M903	DDFA
588	OH	Extraction of Plutonium and Thorium from Soils	OH-M904	SCFA
589	OH	Treatment of Tritiated Pump Oils and Mercury	OH-M905	DDFA
590	OH	Tritium Soil Treatment	OH-M906	SCFA
591	OH	Counting System Accepts a Slug	OH-M907	SCFA
593	OH	Portable Unit for Field Samples	OH-M908	SCFA
594	OH	Automated Dust Suppression System	OH-M909	DDFA
579	OH	Characterization of Low-Level Transuranic Waste (WVDP-1-99)	OH-WV-901	MWFA
573	OH	Decontamination of High-Level Waste (HLW) Canisters (WVDP-2-99)	OH-WV902	DDFA
575	OH	Vitrification Expended Material Processing (WVDP-3-99)	OH-WV903	DDFA
668	OK	Characterization and Removal of DNAPLs and LNAPLs from Soil and Groundwater	OK99-01	SCFA
169	OK	In-Situ Aggressive Destruction Technologies to accelerate Remediation of Source Areas	OK99-02	SCFA
180	OK	Separation of Tritium from VOC in Groundwater	OK99-05	SCFA
162	OK	Mobile Non-Destructive Assay for TRU Waste Boxes	OK99-06	MWFA
160	OK	Technology for Geology and Groundwater Flow and Characteristics in Fractured Rock	OK99-07	SCFA
156	OK	Removal of Tritium from Groundwater	OK99-08	SCFA
166	OK	Destruction of Mixed Chlorinated Solvents	OK99-09	MWFA
69	OK	A method to determine that the sodium loop piping and system components no longer exhibit the hazardous waste characteristic of corrosivity after they are cleaned	OK99-11	DDFA
669	OK	Remove Tritium from Groundwater	OK99-13	SCFA
154	OK	Innovative Technology to Investigate Geology and Groundwater Flow Characteristics in Fractured Rock	OK99-20	SCFA
670	OK	Monitor Tritium In-situ in Groundwater	OK99-21	SCFA
450	OR	Buried Waste In Situ Treatment	ORBW-01	SCFA
451	OR	In Situ Assay Systems	ORBW-03	SCFA
454	OR	Subsurface Barriers and Drains	ORBW-04	SCFA
455	OR	Long-Term Performance Assessments	ORBW-08	SCFA
456	OR	Reactive/Explosive Waste Methods	ORBW-12	SCFA
650	OR	Reactive/Explosive Waste Methods	ORBW-12a	SCFA
457	OR	Hot Spot Retrieval	ORBW-13	SCFA
652	OR	Hot Spot Retrieval	ORBW-13a	SCFA

Need ID	Ops Office Code	Need Name	Need Code	DOE Program
460	OR	Retrieved Waste Sorting	ORBW-14	SCFA
655	OR	Retrieved Waste Sorting	ORBW-14a	SCFA
401	OR	Subsidence Control	ORBW-16	SCFA
461	OR	Remediation of Secondary Soil Contamination	ORBW-19	SCFA
656	OR	Remediation of Secondary Soil Contamination	ORBW-19a	SCFA
421	OR	Improved Characterization of Equipment, Machinery, Fabricated Metals and Other Materials	ORDD-01	DDFA
422	OR	Improved Characterization of Equipment, Machinery, Fabricated Metals, and Other Materials	ORDD-01a	DDFA
423	OR	Improved Decontamination of Equipment, Machinery, Fabricated Metals, and Other Materials	ORDD-02	DDFA
424	OR	Improved Decontamination of Equipment, Machinery, Fabricated Metals, and Other Materials	ORDD-02a	DDFA
425	OR	Improved Decontamination of Facility Concrete and Painted Surfaces	ORDD-03	DDFA
426	OR	Improved Remote Decontamination Methods	ORDD-06	DDFA
427	OR	Remote Dismantlement Methods	ORDD-07	DDFA
429	OR	Mercury Removal from Metal and Porous Surfaces	ORDD-08	DDFA
430	OR	Improved Non-Thermal Cutting of Process Equipment	ORDD-09	DDFA
431	OR	Improved Asbestos Disposition	ORDD-10	DDFA
432	OR	Improved Characterization of Buildings and Facilities	ORDD-12	DDFA
402	OR	Nondestructive Mercury Detector for Soils	ORHG-03	SCFA
403	OR	In Situ Mercury Remediation of Soils	ORHG-04	SCFA
404	OR	Mercury Remediation of Groundwater and Surface Water	ORHG-15	SCFA
483	OR	Dense Non-Aqueous Phase Liquid (DNAPL) Source Characterization, Containment, and Treatment	ORHY-01	SCFA
661	OR	Active In Situ Dissolved-Phase Treatment Systems	ORHY-012b	SCFA
662	OR	Reactive Barrier Treatment Systems	ORHY-013b	SCFA
663	OR	Containment and In Situ Stabilization of Contaminated Sediments	ORHY-014b	SCFA
664	OR	Vapor Phase Treatment Alternatives	ORHY-015b	SCFA
665	OR	Hydrologic Containment and Control	ORHY-016a	SCFA
484	OR	Dense Non-Aqueous Phase Liquid (DNAPL) Source Characterization, Containment, and Treatment	ORHY-01a	SCFA
657	OR	Dense Non-aqueous Phase Liquid (DNAPL) Source Characterization, Containment, and Treatment	ORHY-01b	SCFA
485	OR	Low-Waste Volume Exploration and Monitoring	ORHY-02	SCFA
486	OR	Low-Waste Volume Exploration and Monitoring	ORHY-02a	SCFA
658	OR	Low-Waste Volume Exploration and Monitoring	ORHY-02b	SCFA

Need ID	Ops Office Code	Need Name	Need Code	DOE Program
487	OR	Noninvasive Technologies to Identify Leaking Utilities	ORHY-03	SCFA
488	OR	Noninvasive Technologies to Identify Leaking Utilities	ORHY-03a	SCFA
659	OR	Noninvasive Technologies to Identify Leaking Utilities	ORHY-03b	SCFA
489	OR	Volatile Organic Compound (VOC) Monitoring and Detection	ORHY-04	SCFA
490	OR	Volatile Organic Compound (VOC) Monitoring and Detection	ORHY-04a	SCFA
660	OR	Volatile Organic Compound (VOC) Monitoring and Detection	ORHY-04b	SCFA
405	OR	Karst Characterization and Transport	ORHY-05	SCFA
406	OR	Fractured Media Flow Characterization	ORHY-06	SCFA
491	OR	Horizontal Emplacement Technologies	ORHY-11	SCFA
492	OR	Horizontal Emplacement Technologies	ORHY-11a	SCFA
493	OR	Active In Situ Dissolved Phase Treatment Systems	ORHY-12	SCFA
494	OR	Active In Situ Dissolved Phase Treatment Systems	ORHY-12a	SCFA
495	OR	Reactive Barrier Treatment Systems	ORHY-13	SCFA
496	OR	Reactive Barrier Treatment Systems	ORHY-13a	SCFA
497	OR	Containment and In Situ Stabilization of Contaminated Sediments	ORHY-14	SCFA
498	OR	Containment and In Situ Stabilization of Contaminated Sediments	ORHY-14a	SCFA
499	OR	Vapor Phase Treatment Alternatives	ORHY-15	SCFA
500	OR	Hydrologic Containment and Control	ORHY-16	SCFA
408	OR	Stabilization and Abandonment of Contaminated Boreholes and Wells	ORHY-17	SCFA
409	OR	Treatment and Control of Tritium-Contaminated Water	ORHY-18	SCFA
440	OR	Tank Waste Characterization	ORTK-01	TFA
441	OR	Tank Solid Waste Retrieval	ORTK-02	TFA
444	OR	Sludge Mixing and Mobilization	ORTK-03	TFA
445	OR	Sludge Mixing and Slurry Transport	ORTK-04	TFA
446	OR	Tank Sludge and Supernatant Separations	ORTK-05	TFA
918	OR	Tank Sludge and Supernatant Immobilization	ORTK-06	TFA
448	OR	Tank Closure	ORTK-09	TFA
449	OR	Tank Supernatant Pretreatment	ORTK-11	TFA
433	OR	Technique to Analyze Very Low Levels of Radioactivity in Discarded Chemicals	ORWM-01	MWFA
434	OR	Removal of RCRA Metals from Aqueous Waste	ORWM-10	MWFA
435	OR	Metals Monitoring of Gaseous Emissions	ORWM-13	MWFA
436	OR	Characterization of Heterogeneous Waste	ORWM-17	MWFA
512	OR	Characterization of Heterogeneous Waste	ORWM-17a	MWFA
666	OR	Characterization of Heterogeneous Waste	ORWM-17b	MWFA
667	OR	Treatment of Heterogeneous Waste	ORWM-23	MWFA
680	OR	Treatment of Heterogeneous Waste	ORWM-23a	MWFA

Need ID	Ops Office Code	Need Name	Need Code	DOE Program
438	OR	Better Methods for Monitoring Discharge Limits	ORWM-24	MWFA
439	OR	Discrimination Between WIPP Defined TRU and Non-WIPP Defined Isotopes in TRU Waste	ORWM-26	MWFA
178	RF	Improved Decommissioning Characterization for Distinguishing Between Transuranic and Low-Levels of Contamination	RF-DD01	DDFA
179	RF	High Speed, Integrated Characterization System for (1) Radioactive, (2) Hazardous, and (3) Toxic Contamination	RF-DD02	DDFA
181	RF	Improved Interior Airborne Particulates Control	RF-DD03	DDFA
182	RF	Improved Measurement Techniques for Free Release of Property and Salvageable Equipment Contaminated with Radionuclides	RF-DD04	DDFA
183	RF	Improved Disposition of Raschig-Ring Tanks	RF-DD07	DDFA
184	RF	Improved Worker Protection Clothing and Systems	RF-DD08	DDFA
186	RF	Improved Decontamination of Porous Surfaces in Preparation for Building Demolition	RF-DD09	DDFA
187	RF	Improved Decontamination of Non-Porous Building Property and Structures	RF-DD10	DDFA
188	RF	Improved Size Reduction of Contaminated Equipment and Demolition Waste	RF-DD11	DDFA
190	RF	Real-Time Beryllium Surface Characterization	RF-DD15	DDFA
193	RF	Real-Time Beryllium Air Monitoring	RF-DD16	DDFA
622	RF	Treatment Technology for Groundwater Contaminated with Chlorinated Organics in the Industrial Area	RF-ER02	SCFA
415	RF	Capping Design for Arid and Semi-Arid Climates	RF-ER08	SCFA
416	RF	Real-Time Monitoring of Plutonium and Americium in Sewage Treatment Plant Influent	RF-ER11	MWFA
534	RF	Capping or Treatment (Stabilization) for the Rocky Flats Ash Pits	RF-ER13	SCFA
530	RF	Characterization/Detection/Verification of Non-Aqueous Phase Liquids (NAPLs)	RF-ER14	SCFA
538	RF	Improved Statistical Methods for Sampling and Monitoring Plans	RF-ER15	SCFA
428	RF	Improved Computer-Based Training Platforms	RF-IF01	
625	RF	Measurement of Hydrogen Gas Generation Rates to Justify Increased Drum Wattage Limits	RF-SNM01	MWFA
417	RF	Certified Process for TRU/TRM Hydrogen Gas Generation Measurement	RF-WM03	MWFA
419	RF	Improved Sensitivity for Plutonium Non-Destructive Assay (NDA) Instrumentation	RF-WM04	MWFA
420	RF	Non-Destructive and Non-Invasive Assay of TRU/TRM Drum Headspace for Organic Contamination	RF-WM07	MWFA
624	RF	Bulk Debris Characterization Techniques	RF-WM12	MWFA

Need ID	Ops Office Code	Need Name	Need Code	DOE Program
109	RL	Cesium Capsule Leak Detection System for WESF	RL-DD01	DDFA
129	RL	Radiation Hardened Robotics for Building 324	RL-DD010	DDFA
70	RL	Structural Integrity Inspection - 324/327 Buildings Hot Cell Liners	RL-DD011	DDFA
78	RL	Segregation of Waste for the D&D Program for the Purpose of Disposal.	RL-DD017	DDFA
110	RL	Glove Box Volume Size Reduction System for PFP	RL-DD02	DDFA
88	RL	Metal Decontamination and Recycling for the D&D Program	RL-DD021	DDFA
323	RL	Photon Assisted Decontamination Chemistry	RL-DD022-S	DDFA
324	RL	Cesium Source Identification	RL-DD023-S	DDFA
325	RL	Effluent Capture	RL-DD025-S	DDFA
326	RL	Contaminant Binding Science Need	RL-DD026-S	DDFA
328	RL	Cesium Integrity Assessment	RL-DD027-S	DDFA
329	RL	Hot Cell Window Gasket and Seal Degradation	RL-DD028-S	DDFA
250	RL	Critically Safe Vacuum System for 233-S	RL-DD029	DDFA
112	RL	Terminal Clean-out and TRU Waste Decontamination of PFP	RL-DD03	DDFA
251	RL	Cutting Plutonium Contaminated Pipe for 233-S.	RL-DD030	DDFA
252	RL	Non-Intrusive Detection of Pipe Contents for 233-S.	RL-DD031	DDFA
253	RL	Contamination Fixative for 233-S	RL-DD032	DDFA
255	RL	Field Screening for Hazardous Materials for 105-F and 105-DR Reactors	RL-DD033	DDFA
256	RL	Remote/Robotic Technologies for Access and Deployment of Characterization and Sampling Tools for CDI.	RL-DD034	DDFA
292	RL	Visual/Spatial Imaging of the 221-U Facility and Equipment for CDI.	RL-DD035	DDFA
294	RL	General Radiation Surveys of Concrete and Equipment in the Materials Processing Facilities for CDI.	RL-DD036	DDFA
296	RL	Detection of Freestanding Liquid in Equipment (e.g., tanks) and Piping for CDI.	RL-DD037	DDFA
298	RL	Characterization of Liquids in Equipment (e.g., tanks) and Pipes for CDI.	RL-DD038	DDFA
300	RL	Characterization of Solids (Sediments/Sludge/Dust) on Floors and Walls, and in Equipment in the Materials Processing Facilities for CDI.	RL-DD039	DDFA
113	RL	Waste Fixatives for PFP	RL-DD04	DDFA
301	RL	Characterization of Concrete Floors and Walls in the Materials Processing Facilities for CDI.	RL-DD040	DDFA
302	RL	Capsule Integrity Assessment Method for WESF	RL-DD041	DDFA
303	RL	Hot Cell Window Life Extension for WESF	RL-DD042	DDFA
304	RL	Crane System Upgrades for Hot Cell Canyon and Cesium Capsule Pool in WESF	RL-DD043	DDFA
306	RL	Cesium and Strontium Inventory Removal From K3 Duct at WESF	RL-DD044	DDFA
308	RL	Fixatives for K3 Duct at WESF	RL-DD045	DDFA

Need ID	Ops Office Code	Need Name	Need Code	DOE Program
310	RL	Clean-out of Isolated Piping Systems in Building 324	RL-DD046	DDFA
312	RL	Remote Viewing for Hot Cells in Buildings 324 and 327	RL-DD047	DDFA
114	RL	Characterization of Building 324 and 327	RL-DD05	DDFA
123	RL	Decontamination of Building 324 and 327	RL-DD06	DDFA
124	RL	Fixatives for Building 324 and 327	RL-DD07	DDFA
125	RL	Remote Cutting Technologies for Buildings 324 and 327	RL-DD08	DDFA
126	RL	Tank Remediation for Building 324	RL-DD09	DDFA
134	RL	Remote Macroencapsulation of RH MLLW Debris	RL-MW01	MWFA
275	RL	Non-Destructive Assay (NDA) of RH TRUW (High Beta/Gamma Field) to Meet WIPP Requirements	RL-MW013	MWFA
281	RL	Technology to Dispose of 12 Drums of Pu238 (500 g/drum)	RL-MW014	MWFA
282	RL	System to Determine the Integrity of TRUW Drums During Retrieval	RL-MW015	MWFA
289	RL	System to Retrieve RH TRUW from Caissons	RL-MW016	MWFA
305	RL	Treatment of MLLW Batteries	RL-MW017	MWFA
307	RL	Treatment of MLLW Mercury Wastes	RL-MW018	MWFA
309	RL	Stabilization Mixing System (T-Plant)	RL-MW019	MWFA
135	RL	Remotely Controlled Volume Reduction Techniques for RH MLLW and RH TRUW.	RL-MW02	MWFA
311	RL	Solidification of High Salt Wastes	RL-MW020	MWFA
313	RL	Control of Equipment Corrosion Caused by Chloride	RL-MW021	MWFA
314	RL	Identification and Control of Biological Foulants	RL-MW022	MWFA
316	RL	Tritium Removal from Wastewater	RL-MW023	MWFA
317	RL	Screening of Materials for PCB Content	RL-MW024	MWFA
925	RL	Non-Destructive Assay (NDA) of CH TRUW to Meet WIPP Requirements for Burial Boxes - Certification of Deployed Boxed Waste Assay System (BWAS)	RL-MW025	MWFA
136	RL	Remote Characterization to Distinguish TRUW from Non-TRUW Portions of Various-Sized Debris in a High Beta/Gamma Field	RL-MW03	MWFA
73	RL	Remote Decontamination of RH-TRU Debris to Support Reclassification into Non-TRU Category	RL-MW04	MWFA
74	RL	Remote Treatment of RH Soils and Other Solid Wastes Contaminated With Organics.	RL-MW05	MWFA
137	RL	Treatment of CH TRUW Liquid Wastes Contaminated With PCBs and Ignitables.	RL-MW06	MWFA
353	RL	Non-Intrusive, Non-Destructive Characterization Methods for Non-Radionuclide Hazardous Chemical Components of Mixed Low-Level Waste.	RL-MW07-S	MWFA

Need ID	Ops Office Code	Need Name	Need Code	DOE Program
358	RL	Develop Non-Destructive TRU/Non-TRU Characterization/Radionuclide Mapping Methods for Contaminated Remotely Handled (RH) TRU Waste.	RL-MW08-S	MWFA
364	RL	Fundamental Understanding of the Mechanism for Encapsulation of Radionuclides and Hazardous Components During Microencapsulation or Stabilization.	RL-MW09-S	MWFA
367	RL	Development of Analytical Techniques that Extract Information about a Waste Stream or Sample Without Extracting Any Material.	RL-MW10-S	MWFA
370	RL	Methods to Remove Ingested or Inhaled Radioactivity from an Individual.	RL-MW11-S	MWFA
372	RL	Concepts/Methods for the Prevention of Migration of Radionuclides and Hazardous Components from Buried Radioactive Wastes.	RL-MW12-S	MWFA
356	RL	Contaminant Mapping of K-Basins	RL-SNF01	SPNFNP
363	RL	Decontamination of K-Basin Pool	RL-SNF02	SPNFNP
368	RL	Fixatives for K-Basin	RL-SNF03	SPNFNP
369	RL	Multi-Canister Overpack (MCO) Monitoring Methods	RL-SNF04	SPNFNP
374	RL	Underwater Fuel Rack Cutting System	RL-SNF05	SPNFNP
376	RL	Sludge Treatment Process	RL-SNF06	SPNFNP
138	RL	Cost-effective, In Situ Remediation of Carbon Tetrachloride in the Vadose Zone and Groundwater	RL-SS01	SCFA
139	RL	Improved, Real-Time, In-line Detection of Carbon Tetrachloride in Process Water	RL-SS02	SCFA
140	RL	Improved, Real-Time, In-Situ Detection of Carbon Tetrachloride in Groundwater	RL-SS03	SCFA
141	RL	Cost-Effective, In Situ Remediation of Hexavalent Chromium in Groundwater	RL-SS04	SCFA
142	RL	Improved, Real-Time, In-line Detection of Hexavalent Chromium in Process Water	RL-SS05	SCFA
143	RL	Improved, Real-Time, In-Situ Detection of Hexavalent Chromium in Groundwater	RL-SS06	SCFA
144	RL	Cost-Effective, In Situ Remediation of Strontium-90 in Groundwater	RL-SS07	SCFA
145	RL	Improved, Real-Time, In-line Detection of Strontium-90 in Process Water	RL-SS08	SCFA
146	RL	Improved, Real-Time, In-Situ Detection of Strontium-90 in Groundwater	RL-SS09	SCFA
147	RL	Improved Technologies for Detection/Delineation of Burial Ground Contents and Subsurface Geological Boundaries.	RL-SS10	SCFA
148	RL	Cost-Effective, In Situ Remediation of Hexavalent Chromium in the Vadose Zone	RL-SS11	SCFA
77	RL	Cost Effective, In Situ Remediation in the Vadose Zone of One or More of the Following Radionuclides: Uranium, Plutonium, Cesium, Cobalt, and Strontium-90	RL-SS12	SCFA

Need ID	Ops Office Code	Need Name	Need Code	DOE Program
79	RL	Improved, Real-Time Field Screening During Excavation for Heavy Metals with Emphasis on the Following: Lead, Chromium, Mercury, and Barium.	RL-SS13	SCFA
81	RL	Improved, Real-Time Field Screening During Excavation for Radionuclides with Emphasis on the Following: Uranium, Plutonium, Strontium-90, and Technetium-99	RL-SS14	SCFA
83	RL	Improved, In Situ Characterization to Determine the Extent of Soil Contamination of One or More of the Following Heavy Metals: Hexavalent Chromium, Mercury, and Lead	RL-SS15	SCFA
84	RL	Improved, In Situ Characterization to Determine the Extent of Soil Contamination of One or More of the Following Radionuclides: Uranium, Plutonium, Cesium, Cobalt, or Strontium-90	RL-SS16	SCFA
85	RL	Long-Life Waste Isolation Surface Barrier	RL-SS17	SCFA
87	RL	Improved Detection and Segregation of TRU Waste (Debris)	RL-SS18	SCFA
89	RL	Detection, Handling, and Treatment of Pyrophoric Materials in Burial Grounds	RL-SS19	SCFA
96	RL	Improved Methods for Debris Handling and Segregation	RL-SS20	SCFA
315	RL	Improved, Ex Situ Treatment of Chromium in Groundwater	RL-SS23	SCFA
330	RL	Chemical speciation and Complexation in Site-Specific Groundwaters	RL-SS23-S	SCFA
318	RL	Improved Ex Situ Treatment of Soils Contaminated with Lead and Other TCLP Metals	RL-SS24	SCFA
332	RL	Chemical Binding on site-Specific Mineral Surfaces	RL-SS24-S	SCFA
333	RL	Chemical Form and Mobility of Dense, Non-Aqueous Phase Liquids in Hanford Subsurface Transport of Contaminants	RL-SS25-S	SCFA
334	RL	Reaction Rates for Key Contaminant Species and Complexes in Site-Specific Groundwaters	RL-SS26-S	SCFA
335	RL	Rates of Coupled Abiotic and Biogeochemical Reactions Involving Contaminants in Hanford Subsurface	RL-SS27-S	SCFA
337	RL	Rates of Colloid Formation and Colloidal Transport of Contaminants in Site-Specific Groundwaters	RL-SS28-S	SCFA
338	RL	Effect of Subsurface Heterogeneities on Chemical Reaction and Transport	RL-SS29-S	SCFA
340	RL	Remedial Technology for Cs Beneath Waste Tanks	RL-SS30-S	SCFA
342	RL	Mathematical Formulations Of Chemical Reaction/Material Transport	RL-SS31-S	SCFA
343	RL	Reactivity of Organics in the Hanford Subsurface	RL-SS32-S	SCFA
345	RL	Interaction of Remedial Processes with Hanford Subsurface	RL-SS33-S	SCFA
346	RL	Selectivity for Contaminants in the Hanford Subsurface	RL-SS34-S	SCFA
347	RL	Use of Chemical Surrogates for Contaminant	RL-SS35-S	SCFA
348	RL	Chemical Indicators of Remedial Technology Processes	RL-SS36-S	SCFA

Need ID	Ops Office Code	Need Name	Need Code	DOE Program
350	RL	Chemical Sensor Principles	RL-SS37-S	SCFA
111	RL	Technetium-99 Analysis in Hanford Tank Waste and Contaminated Tank Farm Areas	RL-WT01	TFA
327	RL	Establish Retrieval Performance Evaluation Criteria	RL-WT013	TFA
133	RL	Standard Method for Determining Waste Form Release Rate	RL-WT015	TFA
90	RL	Glass Monolith Surface Area	RL-WT016	TFA
91	RL	Long-Term Testing of Surface Barrier	RL-WT017	TFA
92	RL	Testing of Sand-Gravel Capillary Barrier	RL-WT018	TFA
95	RL	Cleaning, Decontaminating and Upgrading Hanford Pits	RL-WT021	TFA
97	RL	Tank Knuckle NDE	RL-WT022	TFA
99	RL	Prediction of Solid Phase Formation in Hanford Tank Waste Solutions	RL-WT023	TFA
100	RL	Enhanced Sludge Washing Process Data	RL-WT024	TFA
102	RL	Tank Leak Detection Systems for Underground Single-Shell Waste Storage Tanks (SSTs)	RL-WT026	TFA
103	RL	Tank Leak Mitigation Systems	RL-WT027	TFA
105	RL	Data and Tools for Performance Assessments	RL-WT029	TFA
349	RL	Rapid Waste Characterization	RL-WT031-S	TFA
351	RL	Monitoring of Key Waste Physical Properties During Retrieval and Transport	RL-WT032-S	TFA
352	RL	Chemistry of Problem Constituents for HLW Vitrification	RL-WT033-S	TFA
354	RL	Long-Term Performance of LAW Forms	RL-WT034-S	TFA
355	RL	Moisture Flow and Contaminant Transport in Arid Conditions	RL-WT035-S	TFA
357	RL	Alternate Waste Form Development	RL-WT036-S	TFA
361	RL	Sludge Treatment	RL-WT037-S	TFA
362	RL	Process Models for Sludge Treatment	RL-WT038-S	TFA
365	RL	Advanced Methods for Achieving LLW Volume Minimization	RL-WT039-S	TFA
117	RL	DST Corrosion Monitoring	RL-WT04	TFA
366	RL	Mechanisms of Line Plugging	RL-WT040-S	TFA
371	RL	Radionuclide Partitioning	RL-WT041-S	TFA
373	RL	Flammable Gas Generation, Retention, and Release in HLW Tanks	RL-WT042-S	TFA
375	RL	Effect of Human and Natural Influences on Long-Term Water Distribution	RL-WT043-S	TFA
377	RL	Distribution of Recharge Rates	RL-WT044-S	TFA
380	RL	Vadose Zone Flow Simulation Tool Under Arid Conditions	RL-WT045-S	TFA
387	RL	Getter Materials	RL-WT046-S	TFA
388	RL	Tritium Separations	RL-WT047-S	TFA
389	RL	Innovative Methods for Radionuclide Separation	RL-WT048-S	TFA
391	RL	Effect of Processing on Waste Rheological and Sedimentation Properties	RL-WT049-S	TFA
118	RL	Remote Inspection of High-Level Waste Single-Shell Tanks	RL-WT05	TFA

Need ID	Ops Office Code	Need Name	Need Code	DOE Program
392	RL	Effect of Organic Constituents on Waste Processing	RL-WT050-S	TFA
393	RL	Foam Generation and Stability	RL-WT051-S	TFA
394	RL	Characterization of Organic Species in Waste Feed to LAW and HLW Treatment Facilities	RL-WT052-S	TFA
395	RL	Contaminant Mobility Beneath Tank Farms	RL-WT053-S	TFA
397	RL	Solids Yield and Deagglomeration	RL-WT054-S	TFA
398	RL	Tank Integrity Verification	RL-WT055-S	TFA
399	RL	Half-Lives of Se-79 and Sn-126	RL-WT056-S	TFA
400	RL	Materials for Long-Term Waste Isolation	RL-WT057-S	TFA
119	RL	Identification and Management of Problem Constituents for HLW Vitrification	RL-WT06	TFA
331	RL	PHMC Retrieval and Closure - Hanford/SRS Waste Mixing Mobilization	RL-WT060	TFA
93	RL	Reactive Barriers to Contaminant Migration	RL-WT061	TFA
336	RL	PHMC DST Retrieval - Hanford DST Transfer Pump Improvements	RL-WT062	TFA
339	RL	PHMC Retrieval and Closure - Hanford SST Saltcake Dissolution Retrieval	RL-WT063	TFA
341	RL	PHMC Retrieval and Closure - Hanford Past Practice Sluicing Improvements	RL-WT064	TFA
344	RL	Direct Inorganic and Organic Analyses of High-Level Waste	RL-WT065	TFA
122	RL	Representative Sampling and Associated Analysis to Support Operations and Disposal	RL-WT09	TFA
528	SR	Technologies to Increase Transuranic Waste Transportation System Curie, Size, and Weight Limits	SR99-1001	MWFA
532	SR	Treatment for MW Soils to Immobilize Radionuclides and RCRA Constituents for Disposal	SR99-1002	MWFA
535	SR	Improvements to Physical, Chemical, and Radionuclide Quantification of Solid Waste	SR99-1003	MWFA
537	SR	Need for Continuous Emissions Monitors for Measurement of Hazardous Compound Concentrations in Incinerator Stack Gas	SR99-1004	MWFA
541	SR	Large-scale Treatment of DWPF Mercury (STP waste stream SR-W061)	SR99-1006	MWFA
543	SR	Treatment of High Activity TRU (Pu238) Waste for Destruction of Organic Constituents	SR99-1007	MWFA
544	SR	Capability Required for the Visual Inspection, Sorting, Segregating and Repackaging of Pu-239 and Pu-238, and, Potentially, Remote Handled Wastes Currently Stored in 55 and 83-Gallon Drums, to Satisfy WIPP Requirements	SR99-1010	MWFA
547	SR	Demonstrate Evaporation Technologies To Reduce Generation Of Secondary Waste Volume From Consolidated Incineration Facility	SR99-1011	MWFA

Need ID	Ops Office Code	Need Name	Need Code	DOE Program
548	SR	Capability for Remote Handled Size Reduction of TRU Mixed and Non-Mixed Waste	SR99-1012	MWFA
550	SR	Capability for remote handled size reduction of large equipment Mixed/Low Level Waste	SR99-1013	MWFA
553	SR	Cleaning of Alpha Contaminated Launderables	SR99-1014	MWFA
555	SR	Incinerable, Low-PVC Plastic Suits, Hoods, and Breathing Air Hoses	SR99-1015	MWFA
556	SR	Demonstration of a Method to Regenerate the Activated Carbon and/or Reuse the Carbon Vessels Used at the ETF	SR99-1016	MWFA
557	SR	Pollution Prevention Technologies	SR99-1017	MWFA
558	SR	Technology To Reduce Mercury Emissions From The Consolidated Incineration Facility	SR99-1018	MWFA
560	SR	CIF Secondary Waste Form Hydraulic Conductivity Measurements	SR99-1019-S	MWFA
561	SR	Enhance the Performance of ETF Norton Filters	SR99-1020	MWFA
562	SR	Need to Reduce the Dioxin and Furan Emissions from the CIF	SR99-1021	MWFA
563	SR	Reliable Ash Removal/Stabilization System for Incinerator Secondary Wastes (Ashout/Ashcrete System)	SR99-1022	MWFA
564	SR	High Efficiency Particulate Removal System for a Mixed Waste Incinerator	SR99-1023	MWFA
567	SR	EAV Disposal Facility Monitoring System for PA Validation and Compliance with DOE Orders	SR99-1024	MWFA
219	SR	Demonstrate Alternative Filtration Technologies to Replace HEPA Filters	SR99-2027	TFA
220	SR	Alternative Waste Removal Technology	SR99-2028	TFA
221	SR	Alternate DWPF Canister Decon Technology	SR99-2029	TFA
223	SR	Develop Remote Technology To Improve DWPF Operations	SR99-2031	TFA
225	SR	Optimize Melter Glass Chemistry	SR99-2032	TFA
226	SR	Provide Alternative Processing and/or Concentration Methods For DWPF Recycle Aqueous Streams	SR99-2033	TFA
227	SR	Second Generation Salt Feed Preparation	SR99-2034	TFA
228	SR	Develop Advanced Techniques for Life Extension of High Level Waste Tanks and Piping	SR99-2035	TFA
229	SR	Develop Second Generation DWPF Melter	SR99-2036	TFA
230	SR	Tank Heel Removal/Closure Technology	SR99-2037	TFA
231	SR	Methods to Unplug Waste Transfer Lines	SR99-2039	TFA
232	SR	Demonstrate Remote Decommissioning and Disassembly of High Level Waste Processing Equipment	SR99-2040	TFA
233	SR	Demonstration of Alternative Mixer Technology for HLW Pump Tanks	SR99-2041	TFA
234	SR	Demonstrate In-Situ Characterization Weight Percent Probe	SR99-2044	TFA
235	SR	In-Situ Waste Tank Corrosion Probe	SR99-2045	TFA

Need ID	Ops Office Code	Need Name	Need Code	DOE Program
236	SR	Technetium Chemistry Under Waste Removal Conditions	SR99-2049-S	TFA
237	SR	Fracture Toughness Properties for Carbon Steel Utilized for Nuclear Waste Containment Vessels	SR99-2050-S	TFA
917	SR	Technology to Mitigate Effects of Technetium under Tank Closure Conditions	SR99-2051	TFA
321	SR	Tritium Hydrogeological Control and/or Treatment Technologies	SR99-3016	SCFA
379	SR	Dense Nonaqueous Phase Liquids (DNAPL) Characterization and Remediation Technologies	SR99-3017	SCFA
381	SR	Innovative Technologies to Replace Pump and Treat Technologies for Groundwater Remediation	SR99-3018	SCFA
382	SR	Long-Term Cover System for a Humid Environment	SR99-3019	SCFA
383	SR	Stabilization Technology	SR99-3020	SCFA
384	SR	Alternative Sample Collection and Well Installation Technology that Eliminates or Significantly Reduces Aqueous or Non-Aqueous Investigative Derived Waste (IDW)	SR99-3021	SCFA
385	SR	In-situ Grouting of Underground Tanks (Formerly Used for the Storage of Radioactive Solvents)	SR99-3022	SCFA
386	SR	Non-Intrusive Methods for Locating Buried Solid Waste Boundaries	SR99-3023	SCFA
390	SR	Deploy Phytoremediation or a Passive Technology for Attenuation of VOCs	SR99-3024	SCFA
396	SR	Monitoring Technologies for Effectiveness of Solidification and Stabilization Systems	SR99-3025	SCFA
238	SR	Dismantlement of Large and/or Complex Equipment and Structures	SR99-4001	DDFA
258	SR	Characterization of Contaminated Surfaces	SR99-4002	DDFA
259	SR	Material Recycle (Process Equipment, Metal, Steel, and Concrete)	SR99-4003	DDFA
260	SR	Decontamination of Contaminated Concrete	SR99-4004	DDFA
261	SR	Characterization of Inaccessible Areas	SR99-4005	DDFA
262	SR	Asbestos Treatment to Allow Reuse	SR99-4006	DDFA
263	SR	Characterization of Volumetrically Contaminated Surfaces	SR99-4007	DDFA
264	SR	Dismantlement of Concrete-Encased Piping	SR99-4008	DDFA
265	SR	Improved Exhaust Treatment Systems	SR99-4009	DDFA
266	SR	Characterization Data Management	SR99-4010	DDFA
267	SR	Waste Characterization	SR99-4011	DDFA
268	SR	Stabilization of Contaminated Equipment / Components/ Surfaces	SR99-4012	DDFA
269	SR	Containment / Confinement Technologies	SR99-4013	DDFA
270	SR	Basin Cleanup Technology	SR99-4014	DDFA
271	SR	Decontamination of Small Components	SR99-4015	DDFA
272	SR	Health and Safety Technologies	SR99-4016	DDFA
569	SR	Non-Destructive Assay (NDA) of Vitrified Americium/Curium	SR99-5003	PLUTOFA

Need ID	Ops Office Code	Need Name	Need Code	DOE Program
570	SR	Hydrogen Gas Measurement in Remote Nitric Acid Atmospheres	SR99-5006	PLUTOFA
571	SR	Effective and Reasonably Rapid Dissolution of High Fired Pu Oxide	SR99-5007	PLUTOFA
572	SR	Containers for Neptunium Oxide Loadout and Shipment to APSF	SR99-5009	PLUTOFA
576	SR	Americium/Curium Vitrification System	SR99-5010	PLUTOFA
577	SR	Am/Cm Packaging	SR99-5011	PLUTOFA
580	SR	Depleted Uranium Trioxide Utilization	SR99-5012	PLUTOFA
581	SR	APSF Non-Destructive Assay (NDA) Equipment Needs	SR99-5013	PLUTOFA
582	SR	APSF International Safeguard System Needs	SR99-5014	PLUTOFA
583	SR	APSF Plutonium Stabilization & Repackaging System (PuSPS)	SR99-5015	PLUTOFA
584	SR	Non-Destructive Assay (NDA) of Am/Cm Streams during Processing	SR99-5016	PLUTOFA
205	SR	Technology for Repository Storage of Spent Nuclear Fuels	SR99-6002	SPNFNP
213	SR	Technology for Dry Storage of Spent Nuclear Fuel	SR99-6003	SPNFNP
214	SR	In-Situ U-235 Burn-Up Monitor For Aluminum Clad Spent Nuclear Fuel	SR99-6004	SPNFNP
215	SR	Application of Smart Materials to Nuclear Materials and Waste Storage	SR99-6006-S	SPNFNP
957	NV	Unknown	Unknown1	
956	NV	Unknown	Unknown2	
320	CH	Characterization for Decontamination and Decommissioning of the Brookhaven Graphite Research Reactor	ch-dd01-99	DDFA
414	CH	Remediation of Volatile Organic Compounds (VOCs) in Groundwater	ch-ss02-99	SCFA
412	CH	Long-Term Groundwater Monitoring	ch-ss04-99	DDFA
958	NV	Cone Penetrometer with Gamma-Ray Detection Capability	nv23-9901-xx	SCFA

### A-28: Stewardship Category Lookup Table

**Description:** This table stores the valid list of geographic site stewardship category definitions.

**Location in IDMS:** This table is used in the Stewardship screen at the geographic site level in the Planning Module.

Stewardship Category	Stewardship Category Name
1	The geographic site is completed and EM is actively funding long-term surveillance and monitoring (LTS&M) activities which are reflected in one or more PBSs.
2	The geographic site is completed and another (non-EM) entity is actively funding LTS&M activities, which are not reflected in a PBS.
3	The geographic site is completed and no LTS&M is required.
4	The geographic site is not yet completed but EM has determined stewardship activities and costs, which are reflected in one or more PBSs.

Stewardship Category	Stewardship Category Name
5	The geographic site is not yet completed but EM has determined that stewardship activities and costs are the responsibility of another (non-EM) entity which are not reflected in a PBS.
6	The geographic site is not yet completed but EM has determined that stewardship activities and costs are the responsibility of another (non-EM) entity but the costs are reflected in one or more PBSs.
7	The geographic site is not yet completed and stewardship activities are so far off and/or uncertain that the costs are not fully understood. No scope or cost estimates are included in a PBS or PBSs.

### A-29: Technology Lookup Table

**Description:** The table stores the valid list of the Office of Science and Technology (OST) technologies. The list of technologies are from Technology Management System (TMS) as of February 15, 1999.

**Location in IDMS:** This table is used in Technology Deployment screen at the PBS level in the Planning Module.

Tech Key	Tech Group	Tech Name
4	SCFA	Lasagna
5	SCFA	Six-Phase Soil Heating
6	SCFA	In Well Vapor Stripping
7	SCFA	Dynamic Underground Stripping
8	SCFA	Environmental Measurement While Drilling
9	SCFA	In Situ Bioremediation of Chlorinated Solvent DNAPLs
10	SCFA	Alternative Landfill Cover
11	SCFA	Subsurface Barrier Emplacement
12	SCFA	Dig Face Characterization
13	SCFA	Cooperative Telerobotic Retrieval
14	SCFA	Smart Geomembrane
15	SCFA	In Situ Redox Manipulation
16	CMST	Surface Acoustic Wave Array Detectors
17	CMST	Electrical Resistance Tomography for Subsurface Imaging
18	CMST	Metal Emissions Monitor for DOE Mixed Waste Thermal Treatment
19	CMST	Robust, Minature, Real-Time Radiation Detector
20	TFA	Out of Tank Evaporator

<b>Tech Key</b>	<b>Tech Group</b>	<b>Tech Name</b>
21	TFA	Cesium Removal Using Crystalline Silicotitanate
22	NonEM-50	In Tank Grouting/Tank Closure
25	MWFA	Supercritical Carbon Dioxide Extraction
26	MWFA	Plasma Hearth Process
27	MWFA	Mercury Contamination - Separate and Remove Mercury from Off-gas using a Gold Amalgamation Filter
29	INDP	High-Sensitivity Monitor for Radionuclides
30	MWFA	Stabilized Contaminants using Envirocare Polymer Macroencapsulation
31	INDP	Portable Sensor for Hazardous Waste
32	INDP	Laser Surface Cleaning
33	INDP	Interactive, Computer-Enhanced, Remote-Viewing System
34	INDP	Electrokinetic Decontamination of Concrete
35	ESP	Water Soluble Chelating Polymers for Pu, Am Removal
36	ESP	Membrane Separation of HTO
37	ESP	Vacuum Distillation of Plutonium Residues
38	ESP	Inorganic Microsphere Sorbents
39	ESP	Electrochemical Destruction of Nitrates, Nitrites and Organics
40	RBX	Modified Light Duty Utility Arm (MLDUA)
41	RBX	Residual Contamination Survey End Effector
42	RBX	Internal Duct Characterization System
43	RBX	Small Pipe Characterization System (SPCS)
44	RBX	Facility Mapping and Modeling
46	SCFA	Passive Reactive Barrier
47	SCFA	Thermal Enhanced Vapor Extraction System (TEVES)
49	SCFA	ACT*DE*CON (SM)
50	SCFA	Viscous Liquid Barrier
51	SCFA	Frozen Soil Barrier
52	SCFA	Flameless Thermal Oxidation
53	SCFA	SEAMIST
54	SCFA	Deep Soil Mixing

Tech Key	Tech Group	Tech Name
55	SCFA	ResonantSonic Drilling
56	SCFA	Passive Soil Vapor Extraction (Barometric Pumping)
57	SCFA	Electrokinetics - Arid
58	MWFA	Duramelter/Joule-Heated Melter
59	SCFA	In Situ Vitrification Bottoms-up
62	SCFA	Material Handling and Waste Conveyance
63	SCFA	Innovative Grout (In Situ Stabilization)
64	SCFA	Automated Control System for Soil Vapor Extraction
65	SCFA	Recirculating Wells
67	MWFA	Cleanable Steel High Efficiency Particulate Air (HEPA) Filter
68	INDP	Vortec Cyclone Melter System
69	CMST	Direct Sampling Ion Trap Mass Spectrometer System (DSITMS)
70	CMST	Direct Measurement of Strontium-90 in Subsurface Soils
72	CMST	Chemical Analysis Automation
73	DDFA	In Situ Chemical Treatment of Asbestos
74	INDP	Pipe Explorer (TM) System
75	INDP	Advanced Worker Protection System
76	CMST	Remotely Piloted Vehicles (RPVs) and Miniaturized Sensors
77	CMST	Expedited Site Characterization
78	CMST	Airborne Laser Induced Fluorescence Imaging
80	DDFA	Stainless Steel Beneficial Reuse
81	TFA	Vitrification of Ion Exchange Materials
82	TFA	Low Activity Waste Forms
85	TFA	Light Duty Utility Arm
86	TFA	Near Infrared (NIR) Spectroscopy
87	DDFA	CORPEX Nuclear Decontamination Process
88	DDFA	Gas Phase Decontamination Process for Gaseous Diffusion Equipment
89	INDP	Concrete Decontamination by Electro-Hydraulic Scabbling

Tech Key	Tech Group	Tech Name
91	INDP	Remote Operated Vehicle, Dry Ice Pellet Decontamination System
92	INDP	Electromagnetic Mixed-Waste Processing System for Asbestos Decontamination
94	INDP	Coherent Laser Vision System
95	INDP	Protective Clothing Based on Permselective Membrane and Carbon Adsorption
96	INDP	Rapid Surface Sampling and Archive Record (RSSAR) System
97	INDP	Three Dimensional, Integrated Characterization and Archiving System (3D-ICAS)
98	INDP	Houdini: Reconfigurable In Tank Mobile Robot
99	SCFA	In Situ Permeable Flow Sensor
100	SCFA	Tuneable Hybrid Plasma
101	SCFA	Cryogenic Cutting
103	SCFA	HaloSnif
105	SCFA	Unsaturated Flow Apparatus
106	INDP	Catalytic Chemical Oxidation (Delphi Detox)
107	INDP	Low Temperature Thermal Desorption (Vac Trax)
108	MWFA	Russian Pilot Project
109	MWFA	Direct Chemical Oxidation
110	MWFA	Extractive Organic Pretreatment
112	MWFA	Drum Inspection Robots
113	MWFA	Microwave Vitrification
114	MWFA	Real Time Monitoring of Alpha Emissions
117	MWFA	Salt and Ash Stabilization - Stabilize Waste using Phosphate Ceramic Process
120	SCFA	Closure of High Level Waste Tanks Using Stabilized Contaminated Soils and Debris
123	SCFA	In Situ Gaseous Reduction System
124	SCFA	Chemically Reactive Backfills
126	SCFA	Slurry Carbonization of Organic Wastes
127	TFA	Laser Ablation/Mass Spectroscopy (LA/MS)
130	TFA	Topographical Mapping System (TMS)/Laser Range Finder (LRF)

<b>Tech Key</b>	<b>Tech Group</b>	<b>Tech Name</b>
131	INDP	Chemical Decontamination of Process Equipment Using Recyclable Chelating Solvent
132	SCFA	In Situ Radio Frequency Heating
133	CMST	Inductively Coupled Plasma-Mass Spectrometry for Analysis of Microliter Samples and Solids
134	CMST	Portable X-Ray, K-Edge Heavy Metal Detector
135	CMST	Secondary Ion-Mass Spectroscopy Analysis: Development and Evaluation
137	SCFA	Reactive Barrier for Strontium-90
138	SCFA	Surfactant/Alcohol Flushing for DNAPLs
140	CMST	Electrical Resistance Tomography - Tanks
141	CMST	Time Domain Reflectometry (TDR) and Fiber-Optic Probes for the Cone Penetrometer
143	INDP	Decontamination and Recycle of Concrete
145	INDP	Multisensor Inspection & Characterization Robot for Small Pipes (MICROSPI)
148	INDP	Asbestos Pipe-Insulation Removal System
149	SCFA	Subsurface Containment Systems Repair
152	SCFA	Buried Transuranic-Tank-Waste Remediation and Removal System
154	SCFA	Very Early-Time Electromagnetic System
155	SCFA	Cryogenic Drilling
157	SCFA	Solution Mining
158	SCFA	Electrokinetic - Non-arid
161	SCFA	Tritium Analysis System
162	SCFA	Smart Sampling
163	SCFA	Remediation of DNAPLs in Low Permeability Soils
166	MWFA	Polymer Microencapsulation
167	SCFA	In Situ Chemical Oxidation Using Potassium Permanganate
168	SCFA	MAG*SEP
169	SCFA	Adsorption/Desorption Relative to Bioremediation of Chlorinated Solvents
170	SCFA	Landfill Assessment and Monitoring System
172	DDFA	Depleted Uranium Recycling/Products

<b>Tech Key</b>	<b>Tech Group</b>	<b>Tech Name</b>
174	CMST	Three Dimensional Three-Component Seismic Imaging for Site Characterization
175	CMST	Acoustic Characterization of Wastes in Double-Shelled Underground Storage Tanks
176	MWFA	Test Beds for Process Testing
179	ESP	Membrane-Supported Particle-Bound Ligands for Cesium Removal
181	ESP	Immobilization of Fission Products in Phosphate Ceramic Wasteforms
184	RBX	System Analysis for Cost-Benefit Studies and Component Testing
185	RBX	Surveillance and Maintenance Risk and Cost Benefit Reduction Evaluation Methodologies
188	CMST	User Interface for Supervisory Control
189	CMST	Automated Data Interpretation Module (DIM)
190	RBX	Virtual Collaborative Environment
191	CMST	Automated System Software
197	ESP	Magnetic-Seeding Filtration
198	ESP	Polymer Pendant Ligands for Removal of Toxic Metal Ions
204	ESP	Advanced Integrated Solvent Extraction Systems
205	ESP	Fission Products Separations Testing
206	ESP	INEEL HLW Processing
207	CMST	Diagnostic Instrumentation and Analysis Laboratory (DIAL)
208	CMST	Remote Sensing Systems Development and Applications
212	CMST	Process Monitoring and Control: Ammonia Measurements in Offgases
213	CMST	In Situ Viscosity and Density Monitoring Using Quartz Resonators
214	CMST	Bamberger Ultrasonic Sensor
215	CMST	Infrared Analysis of Wastes Using Transient Infrared Spectroscopy (TIRS)
216	CMST	Characterization of Flow and Contaminant Transport in Fractured Rock

<b>Tech Key</b>	<b>Tech Group</b>	<b>Tech Name</b>
218	CMST	Miniaturized Chemical Flow Probe Sensor Development
219	CMST	In Situ Measurement of Volatile and Semi-Volatile Organic Compounds in the Subsurface
221	MWFA	Off-Gas Components - Test components based on use of WETO Test Facility
222	MWFA	Transportable Vitrification System (TVS)
224	DDFA	Thermal Conversion of Asbestos
226	ESP	Technetium and Actinide Solvent Extraction
227	INDP	Diagnostic and Data Fusion of Robotic Sensors
229	MWFA	Catalyst for the Destruction of Oxides of Nitrogen
233	TFA	Sludge Washing
234	INDP	Decontamination and Conversion of Nickel Radioactive Scrap Metal
236	SCFA	In Situ Plasma Vitrification
237	SCFA	Innovative DNAPL Characterization Technologies
239	TFA	Countercurrent Decanting
241	TFA	Technetium Removal
242	CMST	Neural Network Raman Cone Penetrometer Signal Extraction and Enhancement
243	CMST	Cone Penetrometer Support: Operation, Maintenance, and R&D Activity Conducted on the OTD Cone Penetrometer Vehicle
245	ESP	Advanced Separations at Savannah River Site
246	ESP	Selective Crystallization/Clean Salt Process
247	ESP	TUCS/Phosphate Immobilization of Actinides
248	ESP	Salt Splitting with Ceramic Membranes
251	SCFA	Biomass Remediation System
255	ESP	Selective In Situ Sorption of Technetium from Groundwater
257	ESP	Natural Complexant Derivatives to Remove Plutonium from Wastewater
259	INDP	Waste Inspection Tomography (WIT)
260	MWFA	Characterization Development
262	INDP	Novel Silica-Based Ion-Exchange Resin

<b>Tech Key</b>	<b>Tech Group</b>	<b>Tech Name</b>
264	INDP	Intelligent Mobile Sensor System (IMSS) for Autonomous Monitoring and Inspection (AMI)
265	INDP	Automated Baseline Change Detection (ABCD) for Robotic Drum Inspection
266	INDP	Membrane System For Recovery of Volatile Organic Compounds from Remediation Off-Gases
267	INDP	Removal and Recovery of Mercury from Mixed Wastes
268	INDP	ChemChar Thermolytic Detoxification Technique for Mixed Waste Treatment
269	INDP	Catalytic Extraction Processing
272	INDP	Intelligent Inspection and Survey Robot
273	INDP	Steam Reforming of Low-Level Mixed Waste
275	INDP	Electrodialysis - Ion Exchange for the Separation of Dissolved Salts
277	INDP	Liquid Membrane System for Removal and Concentration of Transuranic Elements
278	INDP	Robotic End Effector for Inspection and Sampling of Storage Tanks
279	CMST	Automated Monitoring System for Fluid Level and Density in High-Level Waste Tanks
280	INDP	Advanced, Open-Path Atmospheric Pollution Monitor for Large Areas
281	INDP	Operator Interface for Robotic Applications
282	INDP	Surface Acoustic Wave/Gas Chromatography System for Trace Vapor Analysis
283	INDP	High Speed GC and Cone Penetration Techiques for Measuring Fuel Contamination
284	INDP	Tomographic Site Characterization Using CPT, ERT and GPR
285	INDP	Humasorb (TM), A Lignite Derived Humic Acid for Removal of Metals and Organics
286	INDP	Soil Treatment to Remove Uranium and Related Mixed Radioactive Heavy Metal Contamination
288	INDP	Long-Term, Post-Closure Radiation Monitor
289	CMST	In Situ Tritium Beta Detector

<b>Tech Key</b>	<b>Tech Group</b>	<b>Tech Name</b>
290	INDP	Geophysical Data Fusion for Subsurface Imaging
292	INDP	Road Transportable Analytical Laboratory (RTAL)
293	INDP	Imaging Data for Hazardous Waste Applications
294	INDP	Organic Sponges for Cost Effective CVOC Abatement
295	INDP	Geophex Airborne Unmanned Survey System (GAUSS)
296	INDP	Soil Saw (TM)
297	INDP	In Situ Decontamination of Aquifers by Surfactant Solubilization of DNAPL's
298	INDP	Circulating Air Barrier (CAB) System
299	INDP	Miniature GC for In Situ Monitoring of Volatile Organic Compounds Within a Cone Penetrometer
300	INDP	Mass Spectrometric Instrument for Gaseous and Particulate Characterization
301	INDP	Three Dimensional Sub-Surface Imaging Synthetic Aperature Radar
304	INDP	Surface Altered Zeolytes as a Permeable Barrier
305	INDP	Integrated Optics Chemical Sensor for Simultaneous Detection and Quantification of Multiple Ions
307	CMST	In Situ Permeability Measurements with Direct Push Techniques
308	CMST	Subsurface Barrier Validation with the SEAttrace (TM) Monitoring System
310	INDP	Measurement of Radionuclides Using Ion Chromatography and Flow-Cell Scintillation Counting
311	INDP	Stabilization and Reuse of Heavy Metal Contaminated Soil by Means of Quicklime-Sulfate
312	INDP	On-Line, Real-Time Alpha Radiation Measuring Instrument

<b>Tech Key</b>	<b>Tech Group</b>	<b>Tech Name</b>
313	INDP	Portable Analyzer for Chlorinated Compounds
314	INDP	High Resolution Subsurface Imaging and Neural Network Recognition
315	INDP	Alcohol Flushing for Removing DNAPLs from Clay and Sand Layered Aquifer Systems
316	INDP	Innovative Directional and Position Specific Sampling Technique (POLO)
317	INDP	Steerable Distance Enhanced Penetrometer Delivery System
318	INDP	Acoustically Enhanced Remediation of Contaminated Soil and Groundwater
319	INDP	Fiber Optic/Cone Penetrometer System for Subsurface Heavy Metals Detection
334	TFA	Acoustic Emission Method for Detection of Pipeline Leaks
347	TFA	TRUEX/SREX
349	TFA	Nitrate to Ammonia and Ceramic
350	TFA	Crossflow Filtration
363	MWFA	X-Ray Fluorescence Spectrometry for Real-Time Monitoring of Slag Phase
367	RBX	Structured Light
369	DDFA	Soda Blasting Decontamination Process
370	RBX	Waste Item Characterization and Sorting
371	RBX	Waste Container Operating and Transportation
372	RBX	Waste Item Singulation
374	RBX	Stored Waste Autonomous Mobile Inspector (SWAMI)
375	DDFA	Microwave Concrete Decontamination System
381	CMST	Miniature Pumps in the Cone Penetrometer Tip for Groundwater and Soil Sampling (Cone Sipper)
382	CMST	Multi-Spectral Neutron Logging: A New Generation Pulsed Neutron-Induced Gamma-Ray Multi-Spectra Logging System
383	CMST	Multi-Analyte, Single-Fiber Optical Sensor
384	CMST	Sol-Gel Indicator Program
390	RBX	Systems Analysis

Tech Key	Tech Group	Tech Name
393	RBX	Cooperating Multi-Arm Manipulation
396	CMST	Sensing of Headspace Gases: Continuous In Situ Monitoring of Gaseous Components in Underground Storage Tanks Using Piezoelectric Thin Film Resonator Sensors
397	ESP	Pillared Clays and Titanate Ion Exchangers for Cesium and Strontium Removal
398	CMST	Moisture Measurement by Electromagnetic Induction (EMI)
400	ESP	Anion Exchange Resin Development for Technitium Removal
401	CMST	In-Tank Interface Detection Using Time Domain Reflectometry
404	ESP	Magnetically Assisted Chemical Separation
405	CMST	Imaging Through Obscurations During Sluicing Operations
409	ESP	Continuous Annular Chromatography
410	ESP	Cobalt Dicarbolide Development (U.S.)
411	CMST	Continuous Emission Monitor for Thermal Treatment Systems for Organics
413	CMST	Associated Particle Imaging Development
415	ESP	TALSPEAK Chemistry Development
416	ESP	Aqueous Biphasic Systems for Tc-99, I-129 and Se-79
417	ESP	Calcine Residue Treatment
421	ESP	HLW Sludge Processing
422	ESP	Aluminium Removal from Washed HLW Sludge
423	ESP	Colloid Formation in HLW Sludge Washing
427	CMST	Rabbit Valley Geophysics Performance Evaluation Range
430	CMST	Laser Ablation/Inductively Coupled Plasma/Atomic Emission Spectroscopy (LA-ICP-AES) Using a High-Resolution Fiber-Optic Interferometer
434	CMST	RCRA Metals Analysis by Laser-Induced Breakdown Spectroscopy
439	ESP	Aqueous Phase Catalytic Exchange for the Detritiation of Water

Tech Key	Tech Group	Tech Name
443	SCFA	Cold Plasma Destruction of Off-Gas VOCs
447	SCFA	Off-Gas Treatment Using Pulsed Combustion
449	SCFA	Integrated Pulsed Ultraviolet Irradiation/Dry Scrubbing
450	SCFA	Passive Multilayer Groundwater Sampler
451	SCFA	Catalytic Oxidation Off-Gas/EPA-NJIT
454	SCFA	Soil Physical Decontamination
458	SCFA	VOCs Off-Gas Recovery/Recycle
459	SCFA	Realtime Monitor for Organics
460	SCFA	Bioremediation of Groundwater
461	SCFA	Multisorbent Sampler Arrayed
462	SCFA	Trichloroethylene Degradation Using Microbial Monitoring
463	SCFA	Trichloroethylene,Perchloroethylene Vegetation Bioremediation
465	SCFA	Colloidal Borescope
466	SCFA	Fiber Optic Probe for Trichloroethylene in Soil and Groundwater
467	SCFA	High-Energy Corona for Destruction of VOCs in Process Off Gasses
468	SCFA	Biomolecular Probe Analysis: Bioremediation Organisms
476	SCFA	Vapor Phased Photolytic Destruction of VOCs with Ultra Violet Flashlamps
485	SCFA	Destruction of Carbon Tetrachloride (CCL4) by Steam Reforming
488	SCFA	Destructive Conversion of Hazardous Waste Chlorocarbons
489	SCFA	HeavyWeight Cone Penetrometer
497	SCFA	Tensor Magnetic Gradiometer
499	SCFA	Inverse Scattering Ground Penetrating Radar Imaging of Buried Objects
500	SCFA	UVB Vapor Vacuum Well
505	SCFA	Virtual Environment Generation of Buried Waste
506	SCFA	High Resolution Imaging Using Holographic Impulse Radar Array

<b>Tech Key</b>	<b>Tech Group</b>	<b>Tech Name</b>
509	SCFA	Imaging Infrared Interferometer
515	SCFA	Rapid Transuranic Monitoring Laboratory
518	SCFA	Membrane Offgas Treatment Unit
523	SCFA	Barriers and Post-Closing Monitoring
533	SCFA	Advanced In Situ Moisture Logging System
536	SCFA	Real Time Monitoring of Transuranic Contaminated Dust
537	SCFA	High-Resolution Infrared Imaging
539	SCFA	Excavated Waste Assay
544	SCFA	Electrothermal Hollow Cathode Discharge Spectrometry
547	SCFA	Cross Borehole Electromagnetic Imaging
548	SCFA	Magnetometer Towed Array
552	SCFA	Field Screening Laboratory System
559	SCFA	Neutron Activation Logging System
565	SCFA	In Situ Containment and Stabilization of Buried Waste
571	SCFA	Removal and Recovery of Uranium and Toxic Metals from Contaminated Soil by BNL Citric Acid Process
572	SCFA	Remote Excavation System
574	SCFA	Three Dimensional Dynamic Graphic Simulation of Retrieval Options
576	SCFA	Contaminated Material Excavation Handling and Retrieval System
577	SCFA	Machine Health Monitoring
582	SCFA	Absorptive Stripping Voltammetry
585	SCFA	Verification of Subsurface Barriers/Moisture Detection
586	SCFA	Aqueous Biphasic Separation Systems for Treating Uranium Contaminated Soils
587	SCFA	Biosorption for Removal of Uranium from Contaminated Soil - Washing Media
588	SCFA	Cross-Well Seismic Imaging
589	SCFA	Heap Leaching of Uranium from Soils
592	SCFA	Selective Extraction/Leaching
595	SCFA	Monolithic Confinement

<b>Tech Key</b>	<b>Tech Group</b>	<b>Tech Name</b>
596	SCFA	Long Range Alpha Detector (LRAD)
598	SCFA	Migration Barrier Covers for Mixed Waste Landfills
602	SCFA	Mobile Inductively Coupled Plasma Optical Emission Spectrometer
603	SCFA	Decision Support System to Select Landfill Cover System
605	SCFA	Dry Barrier Applications for Landfills
606	SCFA	Evaluation of Two New Flowable Grout Materials and Application Techniques
619	SCFA	Characterization of Contaminated Soils and Residues Using Electron and Ion Beam Methods
621	SCFA	Boresampler
622	SCFA	X-Ray Fluorescence Spectroscopy for Heavy Metals
623	SCFA	Crosshole Compressional and Shear Wave Seismic Tomography
624	SCFA	Borehole Tension Permeameter
626	SCFA	Gamma-Ray Spectrometer
629	SCFA	Soil Contaminant Extraction/Leaching
633	SCFA	Gel Barriers
637	SCFA	Chemical Barriers
645	SCFA	Non-Aqueous Phase Liquid (NAPL) Remediation using Foam
647	SCFA	Vadose Zone Monitoring System
650	SCFA	Directional Drilling
658	SCFA	Nucleic Acid Probes
670	CMST	Micromist Air Sampler for Airborne VOCs
674	SCFA	Rapid Bioassessment Technologies for Cost Effective Risk at CERCLA Sites
679	SCFA	Biosorption of Uranium
681	CMST	Air Quality Monitoring for Alpha Contamination
704	SCFA	Time Domain Reflectometry with Waveguides
706	SCFA	In Situ Corona - Treatment of Nonvolatile Organic Contaminants
710	SCFA	In Situ Microbial Filters

Tech Key	Tech Group	Tech Name
711	CMST	Field-Deployable VOC Analyzer
715	CMST	Zero Tension Lysimeters
717	CMST	Ames Mobile Laboratory Project
719	SCFA	In-Well Sonification Process
722	SCFA	Heavy Metals Contaminated Soil Project
733	CMST	PLUME - Groundwater Modeling
744	CMST	Spectroelectrochemical Sensors for DOE Site Characterization
749	CMST	Parsons Superfund Site In Situ Vitrification Data
763	SCFA	Bioremoval of Heavy Metals
766	CMST	Laser Ablation Mass Spectrometry
768	SCFA	Bioprocessing Technologies for Uranium Contaminated Soils
771	CMST	Cone Penetrometer/Copper Foil System for In Situ Underground Storage Tank Waste
776	CMST	Reversible Carbon Tetrachloride Sensor for On-line and Down-Well Measurements
784	SCFA	Mixed Chlorinated Solvent In Situ Bioremediation in the Vadose Zone
790	SCFA	Mercury Electrokinetics
793	SCFA	Ozone and Catalytic Oxidation
794	SCFA	Off-Gas Treatment Sampling and Analysis
795	SCFA	Bioremediation of Toxic Metals
809	TFA	Soft Waste Dislodging End Effector
810	TFA	LDUA - Supervisory Data Acquisition and Supervisory Control System
812	TFA	Confined Sluicing End Effector
813	TFA	Early Deployment System
817	TFA	In Situ Dissolution Probe
824	TFA	Biological Destruction
828	ESP	Selective Inorganic Precipitation of Metals from Radioactive Waste
830	ESP	Separation of Iodine - 129
835	TFA	LDUA - Decontamination System
837	ESP	RENUW Dry Halide Process
841	ESP	Russian Separations - Cobalt Dicarbollide

Tech Key	Tech Group	Tech Name
860	TFA	LDUA - Grab Sampler End Effector
869	SCFA	Permanent Isolation Barrier System
873	INDP	Field Raman Spectrograph
881	TFA	Calcine Dissolution
885	TFA	Caustic Recycle
886	TFA	Robotic Mole
887	TFA	Hydraulic Impact End-Effector
890	TFA	LDUA Stereo Viewing System
898	RBX	Robotics Waste Minimization
906	RBX	Robotics Crosscutting and Advanced Technology
909	RBX	Robotics Storage Tank - West
914	RBX	Robotics Waste Facilities Operations
921	RBX	Robotics Decontamination and Decommissioning
923	RBX	Robotics Storage Tanks - East
932	RBX	Robotic Tank Waste Retrieval
939	RBX	Robotic Storage Tank - West/Full-Scale Robotics Test Bed & Simulator
955	DDFA	Laser Decontamination and Recycle of Metals
958	DDFA	Liquid Phase Decontamination of Gaseous Diffusion Equipment
965	DDFA	Removal of Radiological Contaminants from Nickel Scrap
968	DDFA	Sampling and Tritium Measurement for Savannah River Site Steel Recycling
969	DDFA	Dismantlement Processes Adaptation and Development
1005	Other	San Ildefonso
1012	SCFA	Deep Penetrating Dipole Sensor
1014	CMST	Electrospray Mass Spectrometry
1019	CMST	Laser Radar and Remote Monitoring System
1030	Other	Super Conducting Super Collider
1032	CMST	Nondestructive Analysis of MW Containers Using 3D Double Compton Imaging
1046	RBX	Two Dimensional Bar Code Implementation

<b>Tech Key</b>	<b>Tech Group</b>	<b>Tech Name</b>
1064	Other	Decontamination and Decommissioning (D&D) Recycle (Metals Recycle Study)
1073	Other	RDDT&E Program Technical Support
1122	DDFA	Magnetic and Nonmagnetic Melt/Slag Treatment of Mixed Waste
1135	SCFA	Groundwater Decontamination of Volatile Compounds
1143	SCFA	Remote Characterization System
1144	SCFA	SCAPS
1145	CMST	Non-Intrusive Sensing of Environmentally Important Objects
1147	MWFA	Non Destructive Evaluation (NDE) and Non Destructive Assay (NDA) Peer Review
1148	CMST	Ground Penetrating Radar
1173	SCFA	Stratex for Soils
1188	SCFA	Cryogenic Retrieval System
1190	SCFA	Contamination Control Unit
1191	SCFA	Ice Electrodes
1193	SCFA	Airborne Infrared Sensor
1200	SCFA	Airborne Magnetic & Electromagnetic Geophysical Surveying
1206	SCFA	Electromagnetic Geophysical Surveyor
1211	SCFA	Overburden Removal End Effector
1212	SCFA	Full-Scale Telerobotic Retrieval
1217	SCFA	Assay of Contaminated Solids in Buried Waste Pits Using Passive Gamma
1218	SCFA	Digital Radiography
1223	SCFA	DC Array for Monitoring During Infiltration Tests
1227	SCFA	Linac-Based Characterization of Remote Transuranic Waste
1229	SCFA	Luminescence Spot Test (LST) for Screening Polychlorinated Biphenyls (PCBs)
1253	Other	Solid Waste Technology Center
1261	SCFA	Passive Gamma Neutron Activation Analysis
1271	SCFA	Fixation Of Soil Surfaces Using Natural Vegetable Starchs
1278	SCFA	Demonstration Characterization Technology

Tech Key	Tech Group	Tech Name
1288	SCFA	Bio-Engineering Capping Technology
1290	SCFA	Effluent Treatment from Carbonate and Citric Acid Leaching
1293	SCFA	In Situ Fiber Optic Derivative Ultraviolet Absorption Spectroscopic (DUVAS) Monitoring of Aromatic Contaminants
1297	CMST	In Situ Characterization of Waste - Ion Trap Mass Spectroscopy
1304	SCFA	Advanced Fiber-Optic Sensor Systems
1324	SCFA	Transuranic (TRU) Waste Characterization
1347	MWFA	Control of Metal Emissions for Mixed Waste Incinerators
1349	MWFA	Non-Thermal Plasma Offgas Treatment
1354	DDFA	Fluxless Soldering to Reduce Solvent Use
1355	CMST	On-Line Monitoring of VOCs for Waste Minimization
1360	MWFA	Chemical Depotting of Electronic Assembly (WEDID)
1366	CMST	Interagency Agreement (IAG) - United States Army Remote Chemical Sensor of Volatile Organic Compounds
1377	RBX	Metal Finishing Waste Minimization
1379	RBX	Robotics Underground Storage Tank (UST)
1388	RBX	Waste Facility Operations - WINCO
1396	RBX	Remote Characterization System - LLNL
1420	MWFA	Base Hydrolysis
1421	DDFA	Biodegradation of Concrete
1422	ESP	Separation of Nickel and Nickel-63 from HLW
1423	MWFA	Biodegradation of Scintillation Cocktails
1424	MWFA	Cold Oxidizer Inlet Testing
1425	MWFA	Cyanide Destruction/Immobilization of Residual Sludge
1427	MWFA	Electrolytic Treatment of Mixed Waste
1431	ESP	Liquid Ion Exchanger Development
1432	ESP	Soft Ion Donor Extractants for Trivalent Actinide/Lanthanide Separations

<b>Tech Key</b>	<b>Tech Group</b>	<b>Tech Name</b>
1434	ESP	Russian Separations - POR Phosphine Oxide Process
1435	ESP	Russian Separations - Solubilities, REDOX, Radiolysis and Coprecipitation of Actinides
1436	ESP	Russian Separations - Crown Ether Extractants
1438	ESP	Crystalline Silicotitanates for Removal of Acidic Strontium, Anionic Radionuclides, Actinides, Lead and Cadmium
1439	ESP	Water Soluble Chelating Polymers for RCRA Metal Removal
1440	ESP	Decontamination of Soils and Materials Containing Medium Fired Plutonium Oxide
1441	ESP	Oxidation and Separation of Non-Pertechnetate Species in Hanford Waste
1444	ESP	Separation Concentration and Immobilization of Technetium and Iodine from Alkaline Supernate Waste
1445	ESP	Simultaneous Treatment of Chlorinated Organics, Metals and Radionuclides with Bimetals and Complexing Acids - Surfactant Applications
1446	ESP	Mercury and Tritium Removal from DOE Waste Oils
1447	ESP	Self Assembled Monolayers on Mesoporous Supports for RCRA Metal Removal
1448	ESP	Chemical Derivatization to Enhance Chemical/Oxidative Stability of Resorcinol Formaldehyde (RF) Resin
1449	ESP	Innovative Rotary Crossflow System for Volume Reduction of Mixed Hazardous and Rad Waste
1450	ESP	Removal of Contaminants from Equipment and Debris, and Waste Minimization Using TECHXTRACT
1451	ESP	Toxic Metals and Tc Removal from Aqueous Streams Using Inorganic Adsorbents
1452	DDFA	Gas Cylinder Disposal Plant
1454	DDFA	Portable Concentrator for Processing Plutonium Contaminated Solutions

<b>Tech Key</b>	<b>Tech Group</b>	<b>Tech Name</b>
1456	DDFA	Decontamination Using Liquid Nitrogen Carrier with Solid Carbon Dioxide Pellet
1457	DDFA	Remote Removal, Handling and Size Reduction of Large Equipment
1462	DDFA	Tooling Systems for Massive Equipment Size Reduction and Removal
1463	DDFA	Massive Equipment Size Reduction and Removal Systems
1467	MWFA	Stabilization of Beryllium and Reactive Metals
1469	MWFA	Terra-Kleen Solvent Extraction
1476	DDFA	2-D Linear Motion System
1477	DDFA	Laser Cutting and Size Reduction
1478	DDFA	SRS Removal and Disposition of Asbestos
1479	DDFA	Remote Disassembly of Highly Radioactive Equipment
1480	DDFA	Stabilization of Reactor Fuel Storage Pool Liquids
1490	TFA	Ultrasonic Particle Monitor
1495	TFA	Minilab
1499	TFA	Borehole Miner
1500	TFA	Lightweight Scarifier
1510	TFA	Pulsed Air
1511	TFA	AEA Fluidic Pulse Jet Mixer
1513	CMST	Magnetic Resonance Monitor for Tc-99
1514	CMST	Rapid Sampling Using 3M Membrane Technology
1515	CMST	Process Monitors for CS-137 Column Breakthrough
1519	SCFA	Hydrous Pyrolysis/Oxidation
1521	CMST	Application of Neural Networks to Site Characterization
1522	SCFA	Process for Contaminant Removal and Waste Volume Reduction to Remediate Groundwater Containing Certain Radionuclides, Toxic Metals and Organics
1543	INDP	Specialized Separation Utilizing 3M Membrane Technology

<b>Tech Key</b>	<b>Tech Group</b>	<b>Tech Name</b>
1544	TFA	Raman Probe
1556	MWFA	Unsolicited Proposal to Study and Make Recommendations on Radionuclide Contamination, Radioactive Mixed Waste, and Basic Radiation Protection Criteria
1560	CMST	Radiation Sensors (LRAD) for Uranium Cylinders
1564	CMST	Development of a Multi-Element Metal CEM/Compliance Monitoring
1567	SCFA	Biodegradation of PCBS
1568	MWFA	Nondestructive Waste Assay Using Combined Thermal Epithermal Neutron Interrogation
1570	CMST	Modular Operated GPC/EM System for the Robotic Technology Development
1573	RBX	Development of Improved Control Methods for Robots
1592	MWFA	Treatment Using Centrifugal Hearth Plasma Melter
1593	MWFA	Characterization Techniques for TRU Waste
1594	DDFA	Decontamination of Process Equipment Using Four Technologies
1595	DDFA	SEG Recycle and Reuse of Radioactively Contaminated Scrap Metal
1605	MWFA	Treatment Using Non-Thermal Processes
1606	MWFA	Treatment Using Wet Oxidation
1611	DDFA	Metal Recycle Technology
1613	SCFA	Development and Testing of Biosorbents for Environmental Remediation
1615	SCFA	Sensor System for Waste Storage Tank Characterization
1616	MWFA	Monitor Stack for Mercury Emissions
1618	CMST	Electrets for Quick Screening for Surface Alpha Contamination
1619	MWFA	MIT Multi-Metal Emission Monitor
1628	MWFA	Remove Mercury from Off-Gas Using Gold Catalyst
1631	RBX	Proximity Sensor System Development

<b>Tech Key</b>	<b>Tech Group</b>	<b>Tech Name</b>
1632	CMST	Real Time Air Monitoring Using Open-Path FTIR
1636	CMST	Development of Fiber Optic Probes and Spectrometers for On-Line Chemical Analysis
1639	ESP	Application of Selective Membrane Technology to Environmental Radiochemical Analysis
1652	MWFA	Graphite Electrode DC Arc Furnace
1654	SCFA	In Situ Microbial Metal Immobilization
1655	SCFA	Enhanced Mobilization of Heavy Metals Using Sequential Extraction
1658	SCFA	Membrane-Based Hybrid System for Removal of Heavy Metals from Groundwater
1660	SCFA	Innovative Sorbents for the Selective Removal of Heavy Metals from Groundwater
1661	SCFA	Optimization of Prolonged Microbial Activity During In Situ Degradation of Chlorinated Organics
1662	SCFA	Heavy Metal Bioremediation Using Mycorrhizal Plants
1664	MWFA	Mechanical Systems - Handling Material in Contact-handled Processes using HANDS-55 Systems
1675	MWFA	Mercury Contamination - Amalgamate Mercury (contract with NFS and ADA)
1678	MWFA	Stabilization of Mercury Using Sulfur Polymer Cement
1681	SCFA	Biopolymer Based Selective Barrier for the Containment of Groundwater Contaminants
1683	MWFA	Salt and Ash Stabilization - Stabilize High Salt Content Waste Using Cementitious Process
1684	SCFA	Heavy Metal Remediation of Soil Using Permeable Chelation Barrier
1685	MWFA	Stabilization of Salt Using Encapsulation with Polyester Resin
1695	MWFA	Separation of Mercury
1696	MWFA	Separation of Mercury Using Ligands and Supercritical Carbon Dioxide Extraction

<b>Tech Key</b>	<b>Tech Group</b>	<b>Tech Name</b>
1698	MWFA	Separation of Mercury Using Low Temperature Thermal Desorption
1700	MWFA	Separation of Mercury Using Sodium Hypochlorite and Steel Wool
1703	MWFA	Recovery of Mercury
1708	MWFA	Mercury Removal Using General Electric Process
1709	DDFA	Zero Added Waste Cutting, Abrading and Drilling
1715	INDP	Plutonium Contaminated Soil Remediation Using the ACT*DE*CON Process
1717	SCFA	Capillary Barrier
1721	INDP	Remote Mining for In Situ Waste Containment
1723	INDP	Internal Reflection Sensor for the Cone Penetrometer
1737	SCFA	Demonstrate DNAPL Bioremediation - RTDF
1741	NonEM-50	Microbial Kinetics Test
1742	SCFA	In Situ Bioremediation for Hanford Carbon Tetra Plumes
1744	SCFA	In Situ Stabilization and Retrieval System
1746	SCFA	Hydraulic Conductivity Measurement and Stabilization Verification
1750	SCFA	In Situ Vitrification - Top Down
1762	SCFA	Micropurging of Wells
1772	SCFA	Continuous Perimeter Containment Barrier System
1773	SCFA	Verification and Monitor System for Subsurface Barrier
1779	DDFA	High Pressure Water - Concrete Decontamination
1780	DDFA	Steam Vacuum Cleaning
1784	DDFA	VecLoader HEPA Vacuum Insulation Removal
1787	DDFA	Dual Arm Work Platform Teleoperated Robotics System
1790	DDFA	Portable X-Ray Fluorescence Spectrometer
1793	DDFA	Gamma Ray Imaging System
1795	DDFA	Mobile Integrated Temporary Utility System

Tech Key	Tech Group	Tech Name
1796	DDFA	Starbolt (TM) Flashlamp
1798	DDFA	Mobile Automated Characterization System
1799	INDP	Mobile Robot Worksystem (ROSIE)
1807	DDFA	High Speed Clamshell Pipe Cutter
1810	DDFA	Pipe Crawler Internal Piping Characterization System
1811	DDFA	Piping Inspection
1812	DDFA	Rotary Peening with Captive Shot
1815	DDFA	Swing-Reduced Crane Control
1816	DDFA	Urethane Foam Void Filling
1821	MWFA	Plutonium Packaging
1822	DDFA	Chemi-Microbial Processing of Waste Tire Rubber
1829	MWFA	Continuous VOC Monitor
1831	INDP	ECO Logic Process
1835	MWFA	Macroencapsulation with Harmonic Compaction
1837	SCFA	Biocube
1839	DDFA	Reactor Surface Contamination Stabilization
1840	DDFA	Gamma Cam (TM) Radiation Imaging System
1846	DDFA	Low-Density Cellular Concrete Void Filling
1847	DDFA	Oxy-Gasoline Torch
1851	DDFA	Centrifugal Shot Blast System
1853	DDFA	Field Transportable Beta Spectrometer
1854	DDFA	FRHAM-TEX Anti Contamination Suit
1855	DDFA	NuFab Anti Contamination Suit
1861	SCFA	Multi-sensor Analysis Program for Environmental Restoration (MAPER)
1863	SCFA	Portable Selective Hot Spot Removal System
1864	SCFA	Radon Mitigation and Monitoring
1869	RBX	Graphical User Interface for Programming Robot Systems
1870	RBX	Interactive Robot Simulation and Training
1871	RBX	Plutonium Container Unpacking System (PCUS)
1872	RBX	System Integration and Control Module
1873	RBX	Position and Orientation Tracking Systems (POTS)

<b>Tech Key</b>	<b>Tech Group</b>	<b>Tech Name</b>
1875	RBX	Three Dimensional Mapping Sensor and Modeling Software
1876	RBX	Variable Geometry Truss
1880	SCFA	Close-Coupled Barrier
1881	SCFA	Broadband Electromagnetic (BBEM) Induction
1882	SCFA	Integrated Borehole Geophysical System for Contaminant Identification
1893	SCFA	Underground Tank Remediation by In Situ Vitrification
1895	SCFA	Slime Barriers
1898	DDFA	Personal Ice Cooling System (PICS)
1899	DDFA	Soft Media Blast Cleaning
1900	NonEM-50	Environmental Remote Sensing for Monitoring Plant Health
1907	Other	Spent Fuel
1916	SCFA	Pneumatic Fracturing
1917	SCFA	Hydraulic Fracturing
1918	SCFA	In Situ Air Stripping (Sparging) Horizontal Wells
1919	SCFA	In Situ Bioremediation (Methane Enhanced Bioremediation) Horizontal Wells
1926	Other	Semi-Trailer-Mounted Rock Crusher
1930	Other	Multiscan (TM) Stand-Alone, Real-Time, Multipoint Soil Gas Sampling and Analysis System
1932	MWFA	Packaging (bagless transfer) Process
1942	DDFA	Surface Contamination Monitor and Survey Information Management System (SCM/SIMS)
1943	DDFA	ROTO PEEN Scaler and VAC PAC System
1945	DDFA	Pegasus Coating Removal
1946	DDFA	Indoor Radiation Mapping Using Laser Assisted Ranging and Data System
1947	DDFA	System for Tracking Remediation, Exposure, Activities and Materials (STREAM)
1948	DDFA	Self Contained Pipe Cutting Shear
1950	DDFA	Concrete Shaver
1953	DDFA	Heat Stress Monitoring System
1954	DDFA	Sealed-Seam Sack Suit

Tech Key	Tech Group	Tech Name
1962	MWFA	In Situ Waste Destruction
1964	MWFA	In Situ Barrier Procurement
1969	ESP	Electrically Controlled Cesium Ion Exchange
1971	DDFA	Advanced Recyclable Media System
1972	DDFA	Electro-Osmotic Concrete Decontamination
1974	SCFA	Pulsed Plasma
1976	SCFA	High Density Solids
1977	SCFA	Clathrate Formation
1978	SCFA	Molecular Recognition
1979	SCFA	Ion Exchange/Chromatography
1980	SCFA	Electrochemical Ion Exchange
1981	SCFA	Organic Fertilizer Chelation
1982	SCFA	Geizer Water Filter
1983	SCFA	Nanofiltration
1984	SCFA	Reverse Osmosis
1985	TFA	Corrosion Probe
1988	TFA	Remote Viewing System
1989	TFA	SaltCake Dissolution
1990	TFA	Ultra High Pressure Scarifier
1991	SCFA	Cryofracture (TM)
1992	SCFA	Liquid Membrane Treatment Test Unit
1993	SCFA	Sodium Silicate Flowable Grout
1994	SCFA	Montan Wax Flowable Grout
1995	SCFA	Rapid Geophysical Surveyor
1996	TFA	Non-Destructive Examination End-Effector
1997	CMST	Inductively Coupled Plasma Mass Spectrometry for High Resolution of Elemental Contaminants
1999	CMST	Ground Based Laser Induced Fluorescence Imaging
2001	CMST	X-Ray Fluorescence Metal Analyzer
2004	CMST	Real Time Plutonium Monitoring
2006	TFA	Cesium Removal by Resorcinol-Formaldehyde
2007	TFA	AEA Fluidic Samplers
2008	RBX	Common Robot Integration Software
2009	TFA	High Activity Waste Forms and Processes
2010	TFA	(HTI) In-Tank Characterization System

<b>Tech Key</b>	<b>Tech Group</b>	<b>Tech Name</b>
2011	TFA	(HTI) In-Tank Waste Retrieval - Arm Based System
2012	TFA	(HTI) In-Tank Waste Retrieval - Vehicle Based System
2015	CMST	Integrated Raman pOH Sensor for In-Tank Corrosion Monitoring
2016	MWFA	Gas Recontainerization
2017	NonEM-50	NDA Support of the CAO's Performance Demonstration Program
2018	NonEM-50	Characterization - Assay Contact-Handled Drums for Radionuclides based on Capabilities Evaluation Program
2019	MWFA	Characterization of RCRA Material Non-Destructive Assay Development
2020	NonEM-50	Non-Destructive Assay Capability Peer Team
2021	MWFA	Hydrogen Gas Getters
2022	NonEM-50	Matrix Depletion Program Support
2026	MWFA	Flammable Gas Headspace Measurement
2028	MWFA	EG&G Berthold Alpha-Beta Particulate Monitor Evaluation
2029	MWFA	Multiple Metal Continuous Emissions Monitor (CEM) Evaluation at oak Ridge TSCA Incinerator
2030	NonEM-50	Pulsed Fast Thermal Neutron Analysis NDA Testing Evaluation Study
2031	MWFA	Headspace Gas Sampling of RH-TRU Waste Containers
2034	MWFA	Demonstration of Emerging Continuous Emissions Monitoring Technologies
2035	MWFA	Iron Phosphate Based CBCWFs
2036	MWFA	Salt and Ash Stabilization - Stabilize High Salt Content Waste Using Sol Gel Process
2037	MWFA	Salt and Ash Stabilization - Stabilize Ash using Clemson's Sintering Process
2038	MWFA	Expedited Reclamation Demo Using Cotler Concentrator
2039	NonEM-50	OR-FUSRAP Volume Reduction of Mixed Waste Study

<b>Tech Key</b>	<b>Tech Group</b>	<b>Tech Name</b>
2040	MWFA	Thermal Oxidation of Organics Using Catalytic Chemical Oxidation
2041	MWFA	Mercury Contamination - Separate and Remove Mercury using Polymer Filtration
2042	MWFA	Mercury Separation from Mixed Waste by Combining ORNL KI/I2 Leaching with PNNL SAMMS Technology
2043	MWFA	Continuous Monitor to Measure Total Elemental and Speciated
2045	MWFA	Salt and Ash Stabilization - Stabilize High Salt Content Waste Using Polysiloxane Process
2047	MWFA	Mercury Separation from Organic Liquids using SAMMs Technology
2048	MWFA	MWFA Working Group Model Solicitation (NT3)
2050	MWFA	Characterization of Remote-Handled Waste Drums using High Speed Neutron Detectors
2051	MWFA	Alternative Oxidation Technology - PCBs
2052	MWFA	Characterization of Remote - Handled Waste Drums using Multi Detector Analysis System
2053	MWFA	Characterization of Remote-Handled Waste Drums using Gamma Spectrometry Combined with Acceptable Knowledge
2055	MWFA	Characterization of Contact-Handled Waste Containers for RCRA Material using Pulsed Fast Thermal Neutron Analysis
2056	MWFA	Characterization of Remote-Handled Drums using Radio-Frequency Quadrupole (RFQ) Based Active Neutron Interrogation
2058	MWFA	Mercury Contamination - Separate and Remove Mercury using Sorbent Process
2060	SCFA	Cement Bentonite Thin Diaphragm Wall
2061	SCFA	Surfactant-Enhanced Aquifer Remediation of PCE at Neutral Buoyancy
2063	SCFA	Geosyphon/Geoflow
2064	RBX	Automated Shipping Container Unpacking System
2065	RBX	Sensor Based Control
2066	RBX	Vision Based Control

<b>Tech Key</b>	<b>Tech Group</b>	<b>Tech Name</b>
2069	CMST	Gas Chromatograph (GC) System
2070	CMST	Soxhlet Extractor
2071	CMST	High Volume Concentrator
2072	CMST	Metals System
2073	CMST	Hot Plate Digestion Module
2074	CMST	LASMA
2075	CMST	GC/Mass Spectroscopy (MS) System
2076	CMST	Water Extraction Module
2077	CMST	TRU/Mixed Waste System
2078	CMST	Sample Preparation Module
2080	RBX	Remote Drum and Liner Opener Module
2081	RBX	Waste Sorting Module
2082	RBX	Remote Size Reduction System
2083	RBX	TRU-Waste Re-Packaging Module
2085	RBX	Houdini-II Remotely Operated Vehicle System
2086	RBX	Remotely Operated Vehicle (ROV) System for Horizontal Tanks
2087	RBX	Remote Maintenance Design for Tank Waste Compact Processing Units
2088	RBX	Automated Analysis Tool for Waste Feed Tanks
2089	RBX	Modeling and Analysis Applied to the West Valley Demonstration Project Remote Tool Delivery (RTD) System
2090	TFA	DWPF Level and Density Monitors
2091	TFA	Metal Filters for Waste Tank Ventilation
2092	TFA	DWPF Melter Pouring Enhancements
2093	TFA	GAAT Tank Isolation
2095	TFA	Advanced Calcination
2097	TFA	Heel Retrieval for SRS
2098	DDFA	In Situ Object Counting System
2099	DDFA	Remotely Operated Scabbling
2100	DDFA	Remote Control Concrete Demolition System
2102	DDFA	Concrete Grinder
2103	DDFA	RESRAD-Build
2104	DDFA	Wireless Remote Monitoring System
2107	DDFA	Liquid-Nitrogen Cooled Diamond-Wire Concrete Cutting

<b>Tech Key</b>	<b>Tech Group</b>	<b>Tech Name</b>
2116	TFA	Tank Waste Conveyance System
2118	TFA	(HTI) Vadose Zone Characterization System
2119	TFA	Variable Depth Fluidic Sampler
2120	CMST	Monitor for Demonstrating the Effectiveness of Barrier Installation and Long-term Performance using Electrical Resistance Tomography
2121	CMST	Imaging System for Mapping DNAPLs in Soils using Complex Resistivity Tomography
2123	MWFA	Nondestructive Waste Assay Using Gamma-Ray Active and Passive Computed Tomography
2127	MWFA	Mercury Contamination - Separate and Remove Mercury from Off-gas using a Platinum Amalgamation Filter
2129	MWFA	Deployment of TRU Solutions
2131	MWFA	Transuranic Transportation - based on Gas Sampling
2135	MWFA	Monitoring and Removing Hazardous and Radioactive Contaminants from Offgas Streams
2139	MWFA	Off-gas Components using Idaho personnel
2146	MWFA	NDA of Boxes Containing TRU Waste
2148	MWFA	Continuous Emissions Monitors - Measure Mercury Emissions at Stack
2149	MWFA	Continuous Emissions Monitors - Measure Dioxin at Stack
2150	MWFA	Continuous Emissions Monitors - Measure Alpha Emissions at Stack
2151	RBX	Remote Underwater Characterization System (RUCS)
2152	DDFA	Concrete Spaller
2153	DDFA	Compact Subsurface Investigation System
2154	DDFA	Concrete Dust Suppression System
2155	SCFA	Permeable Reactive Treatment (PeRT) Wall for Rads and Metals
2156	SCFA	Iron Treatment Wall
2157	SCFA	Delineating Contamination in Soils
2158	SCFA	Segmented Gate System

<b>Tech Key</b>	<b>Tech Group</b>	<b>Tech Name</b>
2159	MWFA	Stabilized Contaminates using Arrow-Pak Polymer Macroencapsulation
2160	MWFA	Kinetic Mixer
2161	SCFA	Fenton's Reagent
2163	MWFA	Characterization - Crate Surrogates
2164	MWFA	Mercury Removal from DOE Waste Organics
2165	MWFA	Mercury Contamination - National Treatment Initiative Support
2166	MWFA	Stabilization Deployments for Salt and Ash Wastes
2167	MWFA	Acid Digestion Alternative Oxidation Technology - SRS Demonstration
2168	MWFA	Unique Waste/Deployment
2169	MWFA	Stabilization - Treatability Studies on OU4 Fernald SILO Waste
2170	INDP	Surface Acoustic Wave Mercury Vapor Sensor
2171	INDP	Robot Task Space Analyzer
2172	INDP	Prefabricated Vertical Drains
2173	INDP	Dual-Point Impedance Control for Telerobotics
2174	INDP	Stabilization of Mixed Waste Ash
2175	MWFA	Assay of Large Equipment - TRU Waste
2176	MWFA	NDA Capability Evaluation Project
2177	MWFA	Mercury Wastes - >260ppm
2178	RBX	CDI Remote Characterization System
2180	RBX	Compact Remote Operator Console
2181	RBX	Equipment Pit D&D System
2182	SCFA	Field Demonstration of a DNAPL Source Zone Delineation Technology
2186	SCFA	Long-Term Surface Barriers
2187	SCFA	Reactive Barrier Performance: DNAPL
2188	SCFA	Phytoremediation of Radiologically Contaminated Soils
2189	SCFA	Remediation of Tritium Contaminated Groundwater by Evapotranspiration by Phreatophytes

<b>Tech Key</b>	<b>Tech Group</b>	<b>Tech Name</b>
2190	SCFA	In Situ Soil Flushing Technology for Mobilization, Extraction and Removal of Metals and Radionuclides
2191	SCFA	Control of Metal and Radionuclide Mobility by In Situ Gaseous Nutrient Injection
2192	SCFA	Field Demo of High Powered Microwave (HPM) Remediation for Deep Contaminants
2193	SCFA	Deep Treatment of Mixed Contamination in Complex Hydrogeologic Conditions
2194	RBX	Tank Floor-Cleaning System
2195	RBX	Tank Riser Pit Decontamination System
2197	RBX	Process Waste Reduction and Packaging
2198	INDP	TARZAN - An Innovative Mobile Manipulator for Tank Waste Removal
2199	INDP	Modular Manipulator for Robotic Applications
2204	SCFA	Perfluorocarbon Tracers (PFTs)
2205	SCFA	Electrical Impedance Tomography (EIT)
2210	Other	LandTech
2211	TFA	Core Tool
2216	TFA	Salt Removal Systems
2222	INDP	Wireline Cone Penetrometer System for Multiple Tool Usage
2223	INDP	Xenon Ionization Detector for Cone Penetrometer Application
2224	INDP	High Productivity Vacuum Blasting System
2225	INDP	Fast Response Isotopic Alpha Continuous Emissions Monitor
2226	INDP	Pulsed Gamma Neutron Activation Analysis (PGNAA) System for the Assay of RCRA Metals in Mixed Waste
2228	TFA	Extended Reach End Effector
2230	TFA	Shallow Fluted Auger
2232	TFA	Flygt Mixer
2233	MWFA	Expert System Development for NDA Data Validation
2234	CMST	D&D Sensors for the Canyon Disposition Initiative

<b>Tech Key</b>	<b>Tech Group</b>	<b>Tech Name</b>
2235	CMST	At-Tank Sampling for High-Level Waste
2236	CMST	Sludge Wash Monitor
2237	CMST	LIFI Probe for CPT
2238	CMST	FLUTE System for CPT
2239	CMST	Precision Injection / Extraction Probe
2240	DDFA	Soft-Sided Waste Containers
2241	DDFA	Decommissioning In-Situ Plutonium Inventory Monitor (DISPIM)
2242	DDFA	Decontamination and Volume Reduction System (DVRs)
2243	DDFA	Mobile Work Platform
2301	CMST	Sheen Ultrasonic Sensor
2302	DDFA	Cogema 3-D Gamma Imaging
2303	DDFA	Track Mounted Shear/Crusher
2304	DDFA	Hand Held Shear
2305	INDP	Continuous Emissions Monitor of Dioxins
2306	INDP	Non-Invasive Determination of the Location and Distribution of DNAPLs by Seismic Reflection Technology
2307	INDP	Barometrically Enhanced Remediation Technology (BERT)(TM)
2308	TFA	OSS Salt Sampler
2309	MWFA	Developmnet of ICF Stabilization Technologies
2310	DDFA	Direct Reading Tritium Monitor
2311	DDFA	Portable Scintillation Counter
2312	DDFA	Water Solidification
2313	DDFA	Oil Solidification
2314	DDFA	Strippable Coatings and Fixatives
2315	DDFA	Electret Ion Chambers
2316	DDFA	Heat Stress Mitigation
2317	DDFA	Lead Paint Analyzer
2318	DDFA	Directional Drilling for Sampling Under Facilities
2319	DDFA	Portable Containment/Isolation Facility
2320	DDFA	Snap Together Scaffolding
2321	DDFA	Robotic Vacuum - Deployed Wall Scabbler / Detector

<b>Tech Key</b>	<b>Tech Group</b>	<b>Tech Name</b>
2322	DDFA	D&D and Remediation Optimal Planning System (DDROPS)
2323	DDFA	Squirrel Scabbler
2324	DDFA	WIPP Certifiable TRU Standard Waste Box Counter
2325	DDFA	Innovative Size Reduction Nibblers
2326	DDFA	Innovative Size Reduction Shears
2327	DDFA	Detection of Free Standing Liquids
2328	DDFA	Robotics Crawler
2329	DDFA	Remote Concrete Coring
2330	DDFA	Drum Bubbler for Tritium
2331	SCFA	Barometric Pumping/ Baro Ball
2332	MWFA	Full Scale Mixed Waste Stabilization Demo
2333	MWFA	Solutions for TRU Waste Streams without Disposition Options
2334	MWFA	Mechanical Systems - Evaluation of Technologies for Sorting, Size-Reduction and Handling (SSH) of Mixed Wastes
2335	MWFA	Mechanical Systems - Remote and Automation Technology Needs Investigation
2336	MWFA	Mechanical Systems - Mobile Adaptation of HANDSS-55 Technology
2337	MWFA	Mechanical Systems - Adaptation of HANDSS-55 Technology for Repackaging of Remote-Handled Wastes
2338	MWFA	Mechanical Systems - Adaptation and Development of Size Reduction Equipment for Remote Handled Waste
2340	PLUTOFA	PU Ash Stabilization Process
2343	PLUTOFA	Am/Cm Stabilization Process for Problematic Solutions
2345	PLUTOFA	Accelerated Installation and Checkout Methods for PuSPS
2346	PLUTOFA	Accelerated Installation and Checkout Methods for MSRE
2348	PLUTOFA	Accelerated Readiness Review, Installation, and Checkout Methods for Residue Processing

<b>Tech Key</b>	<b>Tech Group</b>	<b>Tech Name</b>
2349	PLUTOFA	Integrated Surveillance & Monitoring Testbed to Support NM Vault Design, Development, and Validation
2350	PLUTOFA	Surveillance & Monitoring Component Technology Development to Support NM Vault Storage
2351	PLUTOFA	Accelerated Readiness Review, Installation, and Checkout Methods for Pu Metal & Oxide Thermal Stabilization Processes
2352	PLUTOFA	Accelerated Readiness Review, Installation, and Checkout Methods for Canyon Processing
2353	PLUTOFA	Recycled Metal Cans for PU-239 Storage Containers and/or Pipe Component
2354	PLUTOFA	Alternatives to Residue Cementation
2355	PLUTOFA	Alternatives to Vertical Calciner for Pu Solution Stabilization
2356	PLUTOFA	Salt Treatment Alternatives
2357	PLUTOFA	Alternatives to Pyrolysis for Residue Stabilization
2358	PLUTOFA	U-233 Stabilization Technology Development
7500	NonEM-50	Active and passive computerized tomography
7501	NonEM-50	Aluminum Clad SNF U-235 Burn-Up Monitor
7502	NonEM-50	Asphalt Emulsion Removal
7503	NonEM-50	Beryllium Air Monitor
7504	NonEM-50	Beryllium Swipe Monitor
7505	NonEM-50	Biological Treatment of INK(GdNO <sub>3</sub> in D <sub>2</sub> O)
7506	NonEM-50	Calorimetry
7507	NonEM-50	Clean Salt
7508	NonEM-50	CO <sub>2</sub> Decontamination
7509	NonEM-50	Comparative Testing of Pipeline Slurry Monitors
7510	NonEM-50	Control of Leachate Solids Formation
7511	NonEM-50	Corrosion Monitoring
7512	NonEM-50	Counter-current (sludge wash and) decanting
7513	NonEM-50	Demonstration of Continuous Emissions Monitors for measurement of Hazardous compound Concentrations in Incinerator Stack Gas

<b>Tech Key</b>	<b>Tech Group</b>	<b>Tech Name</b>
7514	NonEM-50	Develop, deploy, and commercialize barrier monitors
7515	NonEM-50	Development and Evaluation of High Speed Neutron Defactors
7516	NonEM-50	Diamond wire cutting
7517	NonEM-50	Digital Radiography
7518	NonEM-50	Direct sampling ion trap mass spectrometry
7519	NonEM-50	DNAPL Char. alcohol micro injection/extraction SR1-7-C2-21
7520	NonEM-50	DNAPL Char. laser induced fluorescence
7521	NonEM-50	DNAPL Char. partitioning gas trace
7522	NonEM-50	DNAPL Char. rapid hydrophobic sampling
7523	NonEM-50	DNAPL Char. spectral gamma probe radon
7524	NonEM-50	Drying Carbon/Graphite SNF
7525	NonEM-50	Drying Crushed/Rubblized SNF
7526	NonEM-50	Electrical resistance tomography
7527	NonEM-50	Electro Osmosis
7528	NonEM-50	Electrocoagulation for treat of CNF waste water
7529	NonEM-50	Electrolytic Decontamination
7530	NonEM-50	Enhanced NDA of TRU
7531	NonEM-50	Equipment Encapsulation (Packing and Disposal)
7532	NonEM-50	Fluidless directional drilling
7533	NonEM-50	GAAT isolation
7534	NonEM-50	Groundwater Treatment
7535	NonEM-50	Grout installation with total entrainment
7536	NonEM-50	Grouting
7537	NonEM-50	Hand-held Hydraulic Shears
7538	NonEM-50	Hanford Prototype Barrier
7539	NonEM-50	Hanford Tank Initiative (HTI)
7540	NonEM-50	Houdini
7541	NonEM-50	HTI - Heel Retrieval C-106
7542	NonEM-50	Hydrogen Monitor (Remote)
7543	NonEM-50	Immobilization
7544	NonEM-50	Improvements to Physical, Chemical and Radionuclied Quantification of Solid waste
7545	NonEM-50	In Situ Sensor Development

<b>Tech Key</b>	<b>Tech Group</b>	<b>Tech Name</b>
7546	NonEM-50	In Situ Viscosity and Density Monitoring Using Quartz Resonators
7547	NonEM-50	In-Situ Vitrification
7548	NonEM-50	Innovative trenching system
7549	NonEM-50	Inspection, Sorting, Segregating, and Repackaging of Pu-239 and Pu-238 waste
7550	NonEM-50	Intrinsic Bioremediation/Natural Attenuation RDTF
7551	NonEM-50	Large Scale Treatment of DWPF Mercury
7552	NonEM-50	Laser Cutting (Nd:YAG, CO2)
7553	NonEM-50	Liquid/sludge removal and disposition
7554	NonEM-50	LRAD Based
7555	NonEM-50	Measure Remaining Moisture in Dried SNF
7556	NonEM-50	Mobile Robot Worksystem
7557	NonEM-50	Modified light duty utility arm
7558	NonEM-50	Multi-Detector Analysis System using Gamma-Neutron
7559	NonEM-50	MVST sludge mapping tool
7560	NonEM-50	Non-intrusive detection of buried solid waste
7562	NonEM-50	Off-Riser Sampling
7563	NonEM-50	On-line Chromium (6+) Monitor
7564	NonEM-50	Performance verification monitoring
7565	NonEM-50	Physical Properties Affecting Waste Transfer to develop performance specifications for acceptable sludge transport
7566	NonEM-50	Phytoremediation of VOCs
7567	NonEM-50	Plasma Arc Torch w/Enhanced Fume Control
7568	NonEM-50	Plutonium Stabilization and Packaging System
7569	NonEM-50	Position Sensitive Radiation Detector/Monitor
7570	NonEM-50	Pretreatment
7571	NonEM-50	Radiological Characterization of Ducts (Flute Caterpillar)
7572	NonEM-50	Reactive Metal SNF Pretreatment
7573	NonEM-50	Recycled Metal Can

Tech Key	Tech Group	Tech Name
7574	NonEM-50	Reduce conservatisms in Performance Assesments, allowing increased Shallow Land Disposal of LLW & LLMW Thereby reducing mortgage costs
7575	NonEM-50	Reducing grout
7577	NonEM-50	Rheometer, Sludge Grinder
7578	NonEM-50	Robotics for D&D
7579	NonEM-50	Robotics Size Reduction Facility
7580	NonEM-50	Safety
7581	NonEM-50	SCAPS logistics
7583	NonEM-50	Silver Dissolver (MEO)
7584	NonEM-50	SNF Direct/Co-Disposal Waste Form Process
7585	NonEM-50	SNF Dry Storage Criteria
7586	NonEM-50	Sodium Peroxide Fusion
7587	NonEM-50	Soil Remediation
7588	NonEM-50	Tank Evaporation Monitoring
7589	NonEM-50	Tank Retrieval and Closure
7590	NonEM-50	Tank Site Closure Technology
7591	NonEM-50	Tc-99 Analysis
7592	NonEM-50	Technologies to increase TRU Waste transportation Curie, Size, and weight limits
7593	NonEM-50	TRU Piece/Package Monitor
7594	NonEM-50	TRU Transportation
7595	NonEM-50	U-Mo Fuel Stabilization
7596	NonEM-50	U-Plant Fuel Reprocessing (Canyon) Facility Characterization Large Scale Demonstration
7597	NonEM-50	Underwater Concrete Testing & Coating
7598	NonEM-50	Uranium stabilization using phosphate grout
7599	NonEM-50	VORTEC
7600	NonEM-50	Waste source grouting

### A-30: Technology Benefit Lookup Table

**Description**

This table stores the valid list of the benefits associated with technology needs.

**Location in IDMS**

This table is used on the Technology Needs screen at the PBS level in the Planning Module.

Benefit ID	Benefit Name
1	Cost
2	Risk Reduction
3	Both

### A-31: Technology Deployment Status Lookup Table

**Description:** This table stores the valid list of technology deployment status.

**Location in IDMS:** This table is used on Deployment screen at the PBS level in the Planning Module.

Deployment Status	Deployment Status Name
D	Deployment Commitment
P	Potential Deployment

### A-32: Unit Type Lookup List

**Description:** This table stores the valid list of unit types.

**Location in IDMS:** This table is used in the Units of Measure lookup table (A-33).

Unit Type	Unit Type Name
C	Hazard Contaminant Data
I	Isotope Data
Q	Quantity

### A-33: Units of Measure Lookup Table

**Description:** This table stores the valid list of units of measure.

**Location in IDMS:** This table is used in the Cost, BA, and Performance Measure category/subcategory lookup tables (A-7, A-13, A-23).

Units Code	Units Name	Unit Type
%	Percentage	Q
G	Grams	Q
KG	Kilograms	Q
Kg/B	Kilograms of Bulk	Q
L	Liters	Q

<b>Units Code</b>	<b>Units Name</b>	<b>Unit Type</b>
M3	Cubic meters	Q
MT	Metric Tons	Q
MTHM	Metric Tons of Heavy Metal	Q
NB	Number of Buildings	Q
NC	Number of HLW Canisters	Q
NF	Number of Facilities	Q
NI	Number of Items	Q
NR	Number of Release Sites	Q
NT	Number of Tanks	Q
Ncont	Number of Containers	Q
Ntd	Number of Technologies Deployed	Q
acres	Acres	Q
ft2	Square Feet	Q