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**Summary Tables**

All Tasks  
Summary of Site Planned Actions, Schedules, and Implementation Costs

Task ID	Concerns addressed by this task	Brief Description of Task	Begin Date	End Date	Cost(\$K)
T1001	MA.3-1	Provide Safe Storage Location for CHF Maint. Book.	11/22/91	2/1/92	0
T1004	PT.9-1	Prepare Procedure for Hazardous Waste Manifests	1/15/92	8/1/92	5
T1005	PT.3-2	Write Procedure for Qualifying Vendors	4/1/92	2/1/93	5
T1007	QV.2-1	Develop/Implement Procedure for Purchasing QA	10/1/93	10/1/94	20
T1008	PT.1-3	Develop Procedure for SMAC Reporting	12/15/91	1/15/92	1
T1014	PT.4-1	Emergency Response for Hazardous Material Shipment	11/1/91	11/27/91	3
T1016	TCM/BMPF-1	Develop/Distribute Interim Haz. Mat. Guidance	1/15/92	9/1/92	3
T1018	PP.1-2 PP.2-1	Formalize Industrial Hygiene RRAs	4/1/92	8/1/93	30
T1019	FP.5-1	Request Klystron Gallery Fire Protection Exemption	10/1/92	10/1/93	175
T1023	WS.4-2	Survey Site to Identify Elevated Work Stations	6/1/92	4/1/93	12
T1025	WS.4-1	Modify ES&H Manual on Means of Egress	3/1/92	3/1/93	7
T1028	WS.6-1	Notify Lead-Exposed Employees	4/1/92	8/1/92	2
T1030	RP.13-2	Formalize Health Physics Tech. Train. Documentation	1/15/92	8/31/92	15
T1032	RP.13-2	Formalize Radiation Worker Training Documentation	1/15/92	11/1/92	15
T1034	MS.3-1	Re-evaluate Medical Examination Program	10/1/93	4/1/94	20
T1040	MS.1-1	Supplement Medical Department Resources	10/1/92	10/1/93	65
T1042	MS.1-2	Change Reporting Relationship of Physician	1/15/92	8/1/92	2
T1044	QA/CF-2 QV.1-1	Revise Existing Institutional QA Manual	1/15/92	11/11/92	30

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T1045	QV.3-1	Develop Procedures for Insp. of Received Materials	10/1/92	7/1/93	10
T1047	OP.2-1	Procedures for Limiting Control Room Access	4/1/93	10/1/93	7
T1049	OP.1-2	Post Qualified Operations Personnel	4/1/92	7/1/92	7
T1052	RP.11-1	Revise the ALARA Program	10/1/92	3/1/93	35
T1054	RP.5-1	Review SLAC Dosimetry System	3/1/92	3/1/93	15
T1056	TCM/BMPF-1	Revise Business Services Division Procedure 98-4	10/1/92	9/1/92	5
T1058	TCM/BMPF-1	Evaluate Adequacy of Training for Ware/Salv Pers.	10/1/92	3/1/93	10
T1060	WS.4-2	Guard Elevated Work Station	2/1/93	10/1/94	30
T1062	WS.4-2	Review Elevated Workplace Guarding	6/1/92	1/1/93	3
T1064	PP.3-2	Create Guidance Documents for Various Inspectors	4/1/92	10/1/93	40
T1067	PP.3-2	Add ES&H Personnel to Increase Surveillance	1/15/92	10/1/92	75
T1078	SW/CF-4	Install Backflow Prev. Devices/Update Inventory	10/15/91	10/1/93	78
T1082	PT.6-1	Review Records and Schedule Vehicle Maintenance	11/1/91	9/15/92	12
T1087	SW/BMPF-1	Establish Procedure and Update Facility Plans	10/1/94	10/1/96	50
T1089	TCM/CF-1	Finalize Pollution Prevention Awareness Plan	7/1/93	2/1/94	45
T1091	RP.3-1	Revise Radiation Protection Policy	1/15/92	8/1/93	25
T1093	WM/CF-4	Revise Waste Minimization Plan	6/1/92	12/1/92	45

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T1095	IWS/CF-5 WM/CF-1 WM/CF-3	Expand Hazardous Waste Management Training Prgm.	12/1/91	2/1/93	160
T1100	RP.3-3	Restrict Access to Klystrons	12/1/91	4/1/92	10
T1105	A/CF-2	Develop Meteorological Monitoring Program	3/1/94	2/1/96	140
T1107	RP.12-3 RP.3-2 RP.3-3 RP.3-5	Develop Radiation Protection Procedures	12/1/91	6/1/94	160
T1109	SW/CF-2 SW/CF-3	Characterize Potential Storm Drain Releases	10/1/92	10/1/94	55
T1114	RP.5-2	Improve Whole Body Dosimetry Practices	12/1/91	10/1/94	65
T1116	WM/CF-1 WM/CF-3	Develop WAA Management Procedures	7/1/91	10/1/92	12
T1119	WM/CF-3	Implement Hazardous Waste Tracking System	7/1/91	4/1/93	50
T1121	RP.13-1	Review Training for Radiological Areas	4/1/92	3/1/93	26
T1122	GW/CF-1 QA/CF-1 QA/CF-2 QA/CF-3 SW/CF-6	Develop Integrated Environmental Monitoring Plan	6/1/92	10/1/93	60
T1124	RP.13-4	Develop Health Physics Technician Training Plan	11/1/91	3/1/93	82
T1127	A/BMPF-3	Develop Air Emissions Inventory Procedures	1/15/94	1/1/95	35
T1129	FR.6-3	Develop Operating Experience Information System	10/1/92	10/1/94	10
T1131	FR.6-2	Implement Training in Root Cause Analysis	10/1/92	4/1/93	30
T1132	FR.6-1	Close Out Occurrence Reports Cited in FR.6-1	1/15/92	5/1/92	2
T1133	FR.6-1	Improve Timeliness of Filing Final REP.DOE 5000.3A	1/15/92	12/15/92	10

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T1145	RP.5-2	Improve Extremity Dosimetry Practices	4/1/92	10/1/94	65
T1148	OP.8-1 OP.8-2	Revise Procedures for Color/Unit Conventions	2/1/94	10/1/94	50
T1153	OP.8-1 OP.8-2	Implement Supplementary Operator Training	10/1/94	1/1/95	2
T1155	OP.8-1 OP.8-2	Review Control/Alarms Displays	10/1/93	2/1/94	26
T1164	FP.1-1 FP.7-1	Develop Fire Protection Manual	10/1/92	6/1/94	80
T1165	AX.1-2	Identify and Review Auxiliary Systems	10/1/93	7/1/94	12
T1172	WS.3-3	Inventory Confined Space Hazards	2/1/92	1/1/93	25
T1176	PP.2-2 WS.3-2 WS.3-4 WS.4-5 WS.6-1	Revise SLAC Hazard Communication Program	3/1/92	3/1/93	100
T1177	WS.3-3	Develop Confined Space Entry Permit Program	2/1/92	5/1/93	10
T1178	WS.3-3	Develop Confined Space Training Program	8/1/92	2/1/93	12
T1179	IWS/CF-1	Prepare Implementation Plan for DOE 5400.4	10/1/92	3/1/93	34
T1180	IWS/CF-1	Develop IWS Remediation Management Plan	10/1/92	2/1/94	28
T1183	RP.12-1	Clarify Requirements for Providing Dosimetry Info.	3/1/92	11/1/92	2
T1191	PP.5-1	Develop Respiratory Protection Program	4/1/92	10/1/92	25
T1192	IWS/CF-1 IWS/CF-3	Develop Schedule for Preliminary Assessment of IWS	2/1/92	10/1/93	150
T1196	MF-1	Establish & Communicate ES&H Expectations	1/15/92	10/1/92	2
T1197	MF-1	Integrate ES&H Into Planning & Budgeting	3/1/92	10/1/92	10

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T1198	MF-1	Implement Top-Down ES&H Leadership/Oversight	3/1/92	10/1/92	7
T1200	RAD/CF-3	Finalize Procedures for Release of Property	3/1/92	10/1/92	4
T1201	RAD/CF-3	Remove Radioactive Material From Non-RMMAs	1/15/92	7/1/92	50
T1203	OA.7-2	Develop Centralized Document Control System	1/1/94	10/1/94	40
T1205	OP.3-2	Update "Guidelines for Operations" Procedures	4/1/94	10/1/94	30
T1206	SW/CF-5	Prepare ODIS Reports	3/1/92	10/1/92	15
T1209	IWS/CF-2	Develop Community Relations Plan	7/1/93	1/1/93	15
T1210	IWS/CF-5	Revise Hazardous Materials Response Plan	1/15/92	5/1/93	60
T1218	QV.6-1 QV.7-1	Revise Pressure Vessel Procedures	10/1/92	10/1/94	115
T1220	RP.2-1	Establish Radiation Protection Audit Program	10/1/92	10/1/93	23
T1222	MF-2	Clarify Building Manager RRA's	1/15/92	1/1/93	50
T1223	FP.1-1 MF-2 OA.1-1 OA.1-2	Clarify Inter-relationships of RRA's	8/1/92	3/1/93	10
T1224	MF-3 OA.1-1 PP.3-2	Establish ES&H RRA's for Job Classes	8/1/92	2/1/93	100
T1226	GW/CF-3	Develop Monitoring Well & Soil Boring Program	4/1/93	10/1/94	30
T1227	GW/CF-2	Develop Site Groundwater Characterization Plan	12/1/92	6/1/93	50
T1228	GW/CF-1 GW/CF-2	Develop Groundwater Protection Management Program	4/1/92	4/1/93	32
T1230	RP.8-1	Develop Continuous Instrument Calibration Proc.	3/1/92	10/1/93	55
T1231	RP.8-1	Develop Portable Instrument Calibration Program	3/1/92	10/1/93	55

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T1233	WS.4-5	Survey & Correct Flammable Liquids Handling	5/1/92	5/1/93	20
T1235	FP.2-1 FP.3-1 FP.7-1 WS.4-1	Initiate Fire Loss Surveys	2/1/92	10/1/92	12
T1236	QV.1-2	Identify Activities for QA Importance	10/1/92	2/1/93	15
T1239	PT.1-1 PT.1-2	Develop Guidance on Hazardous Transportation	4/1/94	10/1/94	15
T1242	MA.5-1 MA.8-1	Develop & Implement Maint. Safety Procedure(s)	4/1/92	6/1/93	235
T1243	RP.5-3	Secure DOELAP Accreditation	3/1/92	5/1/93	47
T1246	SW/CF-1 TCM/BMPF-3	Provide Safe Storage for Cooling Tower Chemicals	5/1/92	8/1/93	211
T1248	TCM/BMPF-3	Develop Cooling Towers Chemical Storage Procedure	2/1/93	6/1/93	11
T1252	A/BMPF-2	Revise Air Effluent Control Program Procedures	1/15/94	9/30/94	18
T1254	A/CF-1	Develop Air Quality Surveillance Program	10/1/93	6/1/94	35
T1256	WS.4-4	Review and Remedy Electrical Compliance Issues	3/1/92	3/1/93	335
T1258	TCM/CF-2	Establish Program to Manage Oil Filled Equipment	2/1/92	9/30/93	370
T1260	AX.6-1	Revise Diesel Generator Test Procedures	10/1/93	5/1/94	10
T1262	SW/BMPF-2	Develop Oil/Water Separator Maintenance Procedure	4/1/93	10/1/93	8
T1266	SW/BMPF-2	Replace Old With New Oil/Water Separators	1/1/93	10/1/94	173
T1268	OP.3-3	Develop Uniform Procedures for Operator Aids	10/1/93	4/1/94	10
T1270	RP.4-1 RP.8-1	Revise Calibration Facility Exposure Controls	11/4/91	7/1/92	25
T1272	RP.9-1	Develop Air Monitoring Strategy	10/1/92	3/1/93	10

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## SLAC Corrective Action Plan Draft Summary Table 4-1a

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T1273	RP.11-1 RP.5-4	Develop Policy/Procedures for Pocket Dosimeters	4/1/93	3/1/93	10
T1275	RP.10-1	Revise Radiation Survey Training	1/1/93	3/1/93	15
T1277	WM/CF-5	Revise Radioactive Waste Management Plan	1/15/92	10/1/92	130
T1279	RP.13-3	Retrain Health Physics Technicians & Rad. Workers	7/1/91	12/1/92	86
T1281	RAD/CF-2	Develop a Decommissioning Program	10/1/94	1/1/94	65
T1282	WS.2-2	Secure Guidance on OSHA Posting	1/15/92	4/1/92	1
T1285	PT.12-1 WM/CF-3	Revise Haz. Waste Packaging & Storage Procedures	4/1/92	1/1/93	10
T1286	QV.1-3	Establish Training Program for QA Activity	1/1/93	5/1/93	35
T1288	WM/CF-1 WM/CF-2	Formalize Waste Classification Program	1/1/92	1/1/93	5
T1289	WM/CF-6	Develop Hazardous Materials Spill Contingency Plan	7/1/92	1/1/94	100
T1290	MF-4 MF-5	Develop Human Resources Management Plan	3/1/92	11/1/92	20
T1291	OA.8-1	Fitness for Duty Program	10/1/94	8/1/95	25
T1292	OP.1-1	Identify & Develop Qualification Req'ts & Training	1/15/92	9/1/94	440
T1293	MF-9 PT.3-1 QA/CF-4 WM/BMPF-1 WM/CF-2 WM/CF-3 WS.1-1	Develop Comprehensive Audit Plan for ES&H Act.	3/1/92	12/31/92	20
T1294	MF-9 PT.3-1 QA/CF-4 WM/BMPF-1	Define Audit Roles & Responsibilities	3/1/92	11/15/92	5

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T1295	MF-9 PT.3-1 QA/CF-4 WM/BMPF-1	Develop a Detailed Procedure for Audits	1/1/92	6/1/92	7
T1296	WS.4-3	Develop Machine Safety Program	4/1/92	5/1/93	90
T1297	WS.4-3	Install Machine Guards	2/1/92	2/1/93	150
T1298	SW/CF-1	Develop Secondary Containment Program	4/1/92	12/1/92	130
T1300	OA.2-1	Assess & Implement Approp.Indep.Safety Oversight	4/1/93	10/1/93	10
T1301	MF-7	Establish Appropriate Level of Formality of Ops	6/1/92	10/1/92	25
T1303	MF-7	Provide Policy Guidance for Systems/Programs	10/1/92	7/1/93	90
T1309	QV.7-1	Review and Revise Welding Standards	1/15/92	5/1/93	36
T1310	AX.5-1	Review & Improve Plating Shop Ventilation	10/1/93	7/1/94	50
T1311	IWS/BMPF-1 PP.3-1 TCM/BMPF-4 WS.3-4	Develop Hazardous Materials Management System	10/1/92	10/1/94	190
T1314	FR.2-1 FR.2-2 FR.5-1	Revise Safety Review Policy	2/1/93	10/1/93	35
T1315	QV.8-1	Establish Nondestructive Test Training	10/1/95	10/1/96	25
T1316	EA.1-1	Provide Experimenter Safety Training	4/1/92	4/1/93	50
T1321	RP.3-4	Develop Radioactive Source Inventory Program	1/15/92	10/1/92	15
T1322	RP.12-2	Obtain Records of Previous Radiation Exposure	10/1/92	7/1/94	30
T1323	PT.6-2	Develop Procedure for Rad. Sources Brought Onsite	4/1/93	3/1/93	10

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T1325	PT.6-2	Provide Training for Radioactive Source Handling	9/1/93	1/1/94	9
T1327	MA.1-1 MA.4-1 MA.5-1 MA.6-1 MA.7-1	Establish Maintenance Management Programs	10/1/93	10/1/95	50
T1328	QV.4-1 QV.4-2	Develop Calibration Program Inclusion Criteria	7/1/92	1/1/93	12
T1331	QV.4-1 QV.4-2	Survey Devices to be Calibrated	1/1/93	7/1/93	35
T1332	QV.4-1 QV.4-2 QV.4-3	Revise Calibration Procedures	7/1/93	1/1/94	50
T1333	QV.4-1 QV.4-2 QV.4-3	Implement Calibration Program	1/1/94	7/1/94	100
T1335	PP.1-1 PP.1-2 PP.1-3 PP.2-2 PP.3-1 WS.2-1 WS.3-1	Integrate Personnel Protection Program	4/1/92	12/1/93	110
T1336	FR.4-1	Perform Regular Operating Reviews	10/1/94	10/1/95	25
T1337	FR.5-1	Perform Triennial Review System Appraisals	10/1/93	7/1/94	75
T1338	A/BMPF-1	Develop Procedures for Air Permits	10/1/93	4/1/94	5
T1339	MF-10	Formalize University Oversight Initiatives	1/15/92	2/1/93	20
T1341	SW/CF-6	Liquid Radiological Effluent Monitoring Program	5/1/93	10/1/93	20
T1343	GW/CF-4	Develop Environmental Surveillance Program	10/1/93	10/1/95	270
T1345	PP.2-2 PP.3-1 PP.3-2 PP.4-1 PP.5-1 WS.3-1	Institute Regular IH Monitoring	3/1/92	8/1/92	7
T1346	SW/CF-3	Revise Spill Preven. Counter. & Control Plan	8/1/92	3/1/93	40

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T1350	NEPA/CF-1 NEPA/CF-2 NEPA/CF-3 NEPA/CF-4 NEPA/CF-5	Develop Procedures for NEPA Compliance Review	3/1/92	1/15/93	75
T1351	NEPA/CF-1 NEPA/CF-2 NEPA/CF-3 NEPA/CF-4 NEPA/CF-5	Train Staff for NEPA Compliance	6/1/92	3/1/93	80
T1352	NEPA/CF-6	Develop NEPA Compliance Tracking System	12/1/92	4/1/93	10
T1354	MF-6	Formalize ES&H Directive System	11/1/91	12/1/91	40
T1355	A/BMPF-4 A/CF-3	Develop Asbestos Management Program	10/1/92	4/1/93	10
T1358	OA.3-1 PP.1-3 WS.1-2 WS.2-1	Establish Measurable Health and Safety Objectives	10/1/92	10/1/93	10
T1359	OP.3-1	Formalize Safe Operating Parameters	4/1/94	10/1/95	25
T1361	MF-8 PP.2-2	Implement a Corrective Action Management System	1/15/92	10/1/93	260
T1362	MF-11	Develop a Prototype ES&H Integrated POSP	00/00/00	11/30/92	0
T1363	MF-12	Develop memo of agreement defining RRAs	00/00/00	00/00/00	0
T1364	MF-15	Develop an ES&H Information Management Sys.	00/00/00	12/30/92	0
T1366	OA.5-1 SA-2	Institutionalize the Self-Assessment Effort	11/15/91	9/1/92	175
T1368	OA.6-1	Establish Job Qualifications Review System	10/1/93	6/1/94	20
T1373	EP.1-2 EP.2-1 EP.2-2 EP.6-1 EP.6-2 EP.6-3 EP.7-1	Develop Emergency Management Program	1/15/92	2/1/95	189

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T1376	EP.1-1 EP.1-2 EP.2-1 IWS/CF-5 MF-7 OA.7-1	Conduct Hazards Assessment	2/1/92	10/1/93	400
T1378	EP.1-4	Develop Emergency Readiness Assurance Plan	1/15/92	10/1/92	55
T1383	WS.2-3	Analyze SLAC LWD Experience	6/1/94	10/1/94	3
T1385	MF-2 OA.1-1 OA.1-2 WS.1-2	Establish Divisional & Departmental ES&H RRA's	3/1/92	1/1/93	100
T1387	IWS/CF-4	Generate Maps for Contaminated Areas	1/15/92	3/1/92	3
T1389	MA.2-1	Discard and/or Replace Improper Tags	1/15/92	12/21/91	5
T1391	MA.2-1	Review and Modify Lock and Tag Procedures	11/15/91	9/1/92	3
T1392	MA.2-1	Develop Non-Electrical Lock & Tag Procedures	4/1/92	6/1/93	25
T1396	EP.2-2 EP.7-1	Develop Emergency Plan Implementing Proc.(EPIPs)	10/1/92	10/1/95	66
T1398	EP.3-1 EP.7-1	Develop Emergency Management Training Program	10/1/93	9/1/94	170
T1399	EP.3-1 EP.4-1 EP.7-1	Develop Emergency Exercise Program	4/1/93	4/1/95	290
T1402	EP.5-1	Upgrade Emergency Operations Center	6/1/92	4/1/93	40
T1409	MF-5 PT.2-1 PT.2-2 RP.13-1	Develop ES&H Training Plan	1/15/92	1/1/93	60
T1411	MF-5	Review Subcontractor Training Policy	3/1/92	10/1/92	15
T1413	QA/CF-3 QA/CF-5	Develop Environmental QA/QC Guidelines	2/1/92	10/1/92	15
T1414	PP.1-1 PP.1-2 PP.3-1 PP.3-2 PP.4-1 PP.5-1 WS.1-2 WS.2-1	Increase Industrial Hygiene Staffing	2/1/92	5/1/92	40

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T1417	PT.11-1	Hazardous Materials Transportation Appraisals	00/00/00	3/1/92	0
T1418	EP.1-3	Develop SF Emergency Mgmt. Memorandum of Agreement	00/00/00	6/1/92	0
T1419	EP.1-3	Schedule SF Emergency Management Self-Assessment	00/00/00	5/1/92	0
T1420	MF-14	Complete Training Needs Assessment	00/00/00	4/30/92	0
T1421	MF-14	Ensure DOE-SF Staff Rec.Core & Site-specific Train	00/00/00	6/30/92	0
T1422	QA/CF-6	SSO & DOE-SF to Improve QA Oversight	00/00/00	4/30/93	0
T1423	PT.8-1	Implement New SF/ERWM Branch	00/00/00	1/13/92	0
T1424	MF-17	Reflect ES&H/QA in Prime Contract	00/00/00	12/15/92	0
T1425	MF-13 MF-16 PP.2-3	Develop Oversight Plan	00/00/00	11/30/92	0
T1426	RAD/CF-1	Prepare & Implement an ALARA Program at DOE-SF	00/00/00	11/30/92	0
T1427	RAD/CF-1	Provide Oversight to the SLAC ALARA Program	00/00/00	9/30/92	0
T1428	PP.2-3	Develop SSO Corrective Action Tracking System	00/00/00	9/30/93	0
T1429	PP.2-3	Close-out Past Appraisal Recommendations	00/00/00	10/30/92	0
T1430	MF-13	Complete Memo. of Agreements betwn. SSO & SF div.	00/00/00	2/1/93	0
T1431	MF-15 SA-5	Institute Self Assessment of Program Offices	00/00/00	12/30/93	0
T1434	FP.2-1	Conduct Baseline Life Safety Survey	1/15/92	10/1/92	40
T1435	TCM/BMPF-2	Revise Contractor Oversight Program	4/1/92	9/1/92	4
T1437	MF-9 WS.1-1 WS.1-2	Increase OSHA Compliance Staffing	2/1/92	3/1/92	48

Costs are projected 92-96; begin date is as entered in task record; end date is end date of last milestone

All Tasks

Summary of Site Planned Actions, Schedules, and Implementation Costs

Task ID	Concerns addressed by this task	Brief Description of Task	Begin Date	End Date	Cost(\$K)
T1438	MF-9	Increase Environmental Compliance Staffing	2/1/92	3/1/92	43
T1440	AX.1-1	Request Auxiliary System Definition Guidance	00/00/00	7/31/92	0
T1441	SW/CF-6	Modify LINAC & SLC Sump Modification	5/1/92	1/1/93	180

Total # Actions 201

Total Cost Amount 9980

ERWM FUNDED

Summary of Site Planned Actions, Schedules, and Implementation Costs

Task ID	Concerns addressed by this task	Brief Description of Task	Begin Date	End Date	Cost(\$K)
T1179	IWS/CF-1	Prepare Implementation Plan for DOE 5400.4	10/1/92	3/1/93	34
T1180	IWS/CF-1	Develop IWS Remediation Management Plan	10/1/92	2/1/94	28
T1209	IWS/CF-2	Develop Community Relations Plan	7/1/93	1/1/93	15
T1226	GW/CF-3	Develop Monitoring Well & Soil Boring Program	4/1/93	10/1/94	30
T1272	RP.9-1	Develop Air Monitoring Strategy	10/1/92	3/1/93	10

Total # Actions

5

Total Cost Amount

117

This task information duplicates task data in Summary Table 4-1a.

Costs are projected 92-96; begin date is as entered in task record; end date is end date of last milestone

**Table 4-2 Five-Year Plan (FYP) Budget for Planned Actions**



All Tasks  
5-Year Plan Budget (FYP) For Planned Actions (Implementation Costs)

Task ID	Concerns addressed by this task Brief Description of Task	COSTS (\$K)					FYP ADS #	Priority
		FY 92	FY 93	FY 94	FY 95	FY 96		
T1001	MA.3-1 Provide Safe Storage Location for CHF Maint. Book.	0	0	0	0	0		1
T1004	PT.9-1 Prepare Procedure for Hazardous Waste Manifests	5	0	0	0	0		2
T1005	PT.3-2 Write Procedure for Qualifying Vendors	0	5	0	0	0		2
T1007	QV.2-1 Develop/Implement Procedure for Purchasing QA	0	0	20	0	0		2
T1008	PT.1-3 Develop Procedure for SMAC Reporting	1	0	0	0	0		2
T1014	PT.4-1 Emergency Response for Hazardous Material Shipment	3	0	0	0	0		2
T1016	TCM/BMPF-1 Develop/Distribute Interim Haz. Mat. Guidance	3	0	0	0	0		3
T1018	PP.1-2 PP.2-1 Formalize Industrial Hygiene RRAs	15	15	0	0	0		2
T1019	FP.5-1 Request Klystron Gallery Fire Protection Exemption	0	175	0	0	0	A92D0010	2

ADS #s are provided for the ERWM and Safety & Health Five Year Plans  
Task priority shown is that of highest priority Concern/Finding addressed by that task.

All Tasks  
5-Year Plan Budget (FYP) For Planned Actions (Implementation Costs)

Task ID	Concerns addressed by this task Brief Description of Task	COSTS (\$K)					FYP ADS#	Priority
		FY 92	FY 93	FY 94	FY 95	FY 96		
T1023	WS.4-2 Survey Site to Identify Elevated Work Stations	6	6	0	0	0		2
T1025	WS.4-1 Modify ES&H Manual on Means of Egress	5	2	0	0	0		2
T1028	WS.6-1 Notify Lead-Exposed Employees	2	0	0	0	0		2
T1030	RP.13-2 Formalize Health Physics Tech.Train. Documentation	15	0	0	0	0		2
T1032	RP.13-2 Formalize Radiation Worker Training Documentation	15	0	0	0	0		2
T1034	MS.3-1 Re-evaluate Medical Examination Program	0	0	20	0	0		2
T1040	MS.1-1 Supplement Medical Department Resources	0	5	60	0	0		2
T1042	MS.1-2 Change Reporting Relationship of Physician	2	0	0	0	0		2
T1044	QA/CF-2 QV.1-1 Revise Existing Institutional QA Manual	30	0	0	0	0		2

CAP ATT4 ADS #s are provided for the ERWM and Safety & Health Five Year Plans  
Task priority shown is that of highest priority Concern/Finding addressed by that task.

## All Tasks

## 5-Year Plan Budget (FYP) For Planned Actions (Implementation Costs)

Task ID	Concerns addressed by this task Brief Description of Task	COSTS (\$K)					FYP ADS #	Priority
		FY 92	FY 93	FY 94	FY 95	FY 96		
T1045	QV.3-1 Develop Procedures for Insp. of Received Materials	0	10	0	0	0		2
T1047	OP.2-1 Procedures for Limiting Control Room Access	0	7	0	0	0		2
T1049	OP.1-2 Post Qualified Operations Personnel	7	0	0	0	0		2
T1052	RP.11-1 Revise the ALARA Program	0	35	0	0	0		2
T1054	RP.5-1 Review SLAC Dosimetry System	13	2	0	0	0		2
T1056	TCM/BMPF-1 Revise Business Services Division Procedure 98-4	5	0	0	0	0		3
T1058	TCM/BMPF-1 Evaluate Adequacy of Training for Ware/Salv Pers.	0	10	0	0	0		3
T1060	WS.4-2 Guard Elevated Work Station	0	13	17	0	0		2
T1062	WS.4-2 Review Elevated Workplace Guarding	3	0	0	0	0		2

.CAP ATT4 ADS #s are provided for the ERWM and Safety & Health Five Year Plans  
Task priority shown is that of highest priority Concern/Finding addressed by that task.

All Tasks  
5-Year Plan Budget (FYP) For Planned Actions (Implementation Costs)

Task ID	Concerns addressed by this task Brief Description of Task	COSTS (\$K)					FYP ADS #	Priority
		FY 92	FY 93	FY 94	FY 95	FY 96		
T1064	PP.3-2 Create Guidance Documents for Various Inspectors	15	25	0	0	0		2
T1067	PP.3-2 Add ES&H Personnel to Increase Surveillance	75	0	0	0	0		2
T1078	SW/CF-4 Install Backflow Prev. Devices/Update Inventory	73	5	0	0	0		2
T1082	PT.6-1 Review Records and Schedule Vehicle Maintenance	12	0	0	0	0		3
T1087	SW/BMPF-1 Establish Procedure and Update Facility Plans	0	10	25	15	0		3
T1089	TCM/CF-1 Finalize Pollution Prevention Awareness Plan	0	10	35	0	0		2
T1091	RP.3-1 Revise Radiation Protection Policy	17	8	0	0	0		2
T1093	WM/CF-4 Revise Waste Minimization Plan	10	35	0	0	0		2
T1095	IWS/CF-5 WM/CF-1 WM/CF-3 Expand Hazardous Waste Management Training Prgm.	80	80	0	0	0		1

ADS #s are provided for the ERWM and Safety & Health Five Year Plans  
Task priority shown is that of highest priority Concern/Finding addressed by that task.

All Tasks  
5-Year Plan Budget (FYP) For Planned Actions (Implementation Costs)

Task ID	Concerns addressed by this task Brief Description of Task	COSTS (\$K)					FYP ADS #	Priority
		FY 92	FY 93	FY 94	FY 95	FY 96		
T1100	RP.3-3 Restrict Access to Klystrons	10	0	0	0	0		2
T1105	A/CF-2 Develop Meteorological Monitoring Program	0	0	70	70	0		3
T1107	RP.12-3 RP.3-2 RP.3-3 RP.3-5 Develop Radiation Protection Procedures	50	55	55	0	0		2
T1109	SW/CF-2 SW/CF-3 Characterize Potential Storm Drain Releases	0	30	25	0	0		2
T1114	RP.5-2 Improve Whole Body Dosimetry Practices	20	25	20	0	0	A92D0008	2
T1116	WM/CF-1 WM/CF-3 Develop WAA Management Procedures	12	0	0	0	0		1
T1119	WM/CF-3 Implement Hazardous Waste Tracking System	30	20	0	0	0		1
T1121	RP.13-1 Review Training for Radiological Areas	13	13	0	0	0		2
T1122	GW/CF-1 QA/CF-1 QA/CF-2 QA/CF-3 SW/CF-6 Develop Integrated Environmental Monitoring Plan	20	40	0	0	0		2

.CAP ATT4 ADS #s are provided for the ERWM and Safety & Health Five Year Plans  
Task priority shown is that of highest priority Concern/Finding addressed by that task.

All Tasks  
5-Year Plan Budget (FYP) For Planned Actions (Implementation Costs)

Task ID	Concerns addressed by this task Brief Description of Task	COSTS (\$K)					FYP ADS #	Priority
		FY 92	FY 93	FY 94	FY 95	FY 96		
T1124	RP.13-4 Develop Health Physics Technician Training Plan	82	0	0	0	0		2
T1127	A/BMPF-3 Develop Air Emissions Inventory Procedures	0	0	30	5	0		3
T1129	FR.6-3 Develop Operating Experience Information System	0	5	5	0	0		4
T1131	FR.6-2 Implement Training in Root Cause Analysis	0	30	0	0	0		3
T1132	FR.6-1 Close Out Occurrence Reports Cited in FR.6-1	2	0	0	0	0		2
T1133	FR.6-1 Improve Timeliness of Filing Final REP.DOE 5000.3A	10	0	0	0	0		2
T1145	RP.5-2 Improve Extremity Dosimetry Practices	20	25	20	0	0	A92D0008	2
T1148	OP.8-1 OP.8-2 Revise Procedures for Color/Unit Conventions	0	0	50	0	0		3
T1153	OP.8-1 OP.8-2 Implement Supplementary Operator Training	0	0	0	2	0		3

ADS #s are provided for the ERWM and Safety & Health Five Year Plans  
Task priority shown is that of highest priority Concern/Finding addressed by that task.

All Tasks  
5-Year Plan Budget (FYP) For Planned Actions (Implementation Costs)

Task ID	Concerns addressed by this task Brief Description of Task	COSTS (\$K)					FYP ADS#	Priority
		FY 92	FY 93	FY 94	FY 95	FY 96		
T1155	OP.8-1 OP.8-2 Review Control/Alarms Displays	0	0	26	0	0		3
T1164	FP.1-1 FP.7-1 Develop Fire Protection Manual	0	20	60	0	0		2
T1165	AX.1-2 Identify and Review Auxiliary Systems	0	0	12	0	0		4
T1172	WS.3-3 Inventory Confined Space Hazards	20	5	0	0	0		2
T1176	PP.2-2 WS.3-2 WS.3-4 WS.4-5 WS.6-1 Revise SLAC Hazard Communication Program	55	45	0	0	0		2
T1177	WS.3-3 Develop Confined Space Entry Permit Program	5	5	0	0	0		2
T1178	WS.3-3 Develop Confined Space Training Program	2	10	0	0	0		2
T1179	IWS/CF-1 Prepare Implementation Plan for DOE 5400.4	0	25	9	0	0	1483-30	1
T1180	IWS/CF-1 Develop IWS Remediation Management Plan	0	21	7	0	0	1483-30	1
T1183	RP.12-1 Clarify Requirements for Providing Dosimetry Info.	2	0	0	0	0		2

.CAP ATT4 ADS #s are provided for the ERWM and Safety & Health Five Year Plans  
Task priority shown is that of highest priority Concern/Finding addressed by that task.

All Tasks

5-Year Plan Budget (FYP) For Planned Actions (Implementation Costs)

Task ID	Concerns addressed by this task Brief Description of Task	COSTS (\$K)					FYP ADS#	Priority
		FY 92	FY 93	FY 94	FY 95	FY 96		
T1191	PP.5-1 Develop Respiratory Protection Program	25	0	0	0	0		2
T1192	IWS/CF-1 IWS/CF-3 Develop Schedule for Preliminary Assessment of IWS	75	75	0	0	0		1
T1196	MF-1 Establish & Communicate ES&H Expectations	2	0	0	0	0		2
T1197	MF-1 Integrate ES&H Into Planning & Budgeting	10	0	0	0	0		2
T1198	MF-1 Implement Top-Down ES&H Leadership/Oversight	7	0	0	0	0		2
T1200	RAD/CF-3 Finalize Procedures for Release of Property	4	0	0	0	0		2
T1201	RAD/CF-3 Remove Radioactive Material From Non-RMMAs	50	0	0	0	0		2
T1203	OA.7-2 Develop Centralized Document Control System	0	0	40	0	0		3
T1205	OP.3-2 Update "Guidelines for Operations" Procedures	0	0	30	0	0		2

ADS #s are provided for the ERWM and Safety & Health Five Year Plans  
Task priority shown is that of highest priority Concern/Finding addressed by that task.



All Tasks  
5-Year Plan Budget (FYP) For Planned Actions (Implementation Costs)

Task ID	Concerns addressed by this task Brief Description of Task	COSTS (\$K)					FYP ADS #	Priority
		FY 92	FY 93	FY 94	FY 95	FY 96		
T1206	SW/CF-5 Prepare ODIS Reports	15	0	0	0	0		2
T1209	IWS/CF-2 Develop Community Relations Plan	10	5	0	0	0	1483-30	1
T1210	IWS/CF-5 Revise Hazardous Materials Response Plan	30	30	0	0	0		2
T1218	QV.6-1 QV.7-1 Revise Pressure Vessel Procedures	0	70	45	0	0		2
T1220	RP.2-1 Establish Radiation Protection Audit Program	0	23	0	0	0		2
T1222	MF-2 Clarify Building Manager RRA's	50	0	0	0	0		2
T1223	FP.1-1 MF-2 OA.1-1 OA.1-2 Clarify Inter-relationships of RRA's	5	5	0	0	0		2
T1224	MF-3 OA.1-1 PP.3-2 Establish ES&H RRA's for Job Classes	40	60	0	0	0		2
T1226	GW/CF-3 Develop Monitoring Well & Soil Boring Program	0	0	30	0	0	1483-10	1
T1227	GW/CF-2 Develop Site Groundwater Characterization Plan	0	50	0	0	0		2

.CAP ATT4 ADS #s are provided for the ERWM and Safety & Health Five Year Plans  
Task priority shown is that of highest priority Concern/Finding addressed by that task.

All Tasks  
5-Year Plan Budget (FYP) For Planned Actions (Implementation Costs)

Task ID	Concerns addressed by this task Brief Description of Task	COSTS (\$K)					FYP ADS#	Priority
		FY 92	FY 93	FY 94	FY 95	FY 96		
T1228	GW/CF-1 GW/CF-2 Develop Groundwater Protection Management Program	16	16	0	0	0		2
T1230	RP.8-1 Develop Continuous Instrument Calibration Proc.	15	40	0	0	0		2
T1231	RP.8-1 Develop Portable Instrument Calibration Program	15	40	0	0	0		2
T1233	WS.4-5 Survey & Correct Flammable Liquids Handling	8	12	0	0	0		2
T1235	FP.2-1 FP.3-1 FP.7-1 WS.4-1 Initiate Fire Loss Surveys	12	0	0	0	0		2
T1236	QV.1-2 Identify Activities for QA Importance	0	15	0	0	0		2
T1239	PT.1-1 PT.1-2 Develop Guidance on Hazardous Transportation	0	0	15	0	0		2
T1242	MA.5-1 MA.8-1 Develop & Implement Maint. Safety Procedure(s)	30	205	0	0	0		2
T1243	RP.5-3 Secure DOELAP Accreditation	35	12	0	0	0		2

ADS #s are provided for the ERWM and Safety & Health Five Year Plans  
Task priority shown is that of highest priority Concern/Finding addressed by that task.

All Tasks

5-Year Plan Budget (FYP) For Planned Actions (Implementation Costs)

Task ID	Concerns addressed by this task Brief Description of Task	COSTS (\$K)					FYP ADS#	Priority
		FY 92	FY 93	FY 94	FY 95	FY 96		
T1246	SW/CF-1 TCM/BMPF-3 Provide Safe Storage for Cooling Tower Chemicals	40	171	0	0	0		2
T1248	TCM/BMPF-3 Develop Cooling Towers Chemical Storage Procedure	0	11	0	0	0		3
T1252	A/BMPF-2 Revise Air Effluent Control Program Procedures	0	0	18	0	0		3
T1254	A/CF-1 Develop Air Quality Surveillance Program	0	0	35	0	0		2
T1256	WS.4-4 Review and Remedy Electrical Compliance Issues	95	240	0	0	0		2
T1258	TCM/CF-2 Establish Program to Manage Oil Filled Equipment	185	185	0	0	0		1
T1260	AX.6-1 Revise Diesel Generator Test Procedures	0	0	10	0	0		2
T1262	SW/BMPF-2 Develop Oil/Water Separator Maintenance Procedure	0	8	0	0	0		3
T1266	SW/BMPF-2 Replace Old With New Oil/Water Separators	0	40	133	0	0		3

ADS #s are provided for the ERWM and Safety & Health Five Year Plans  
Task priority shown is that of highest priority Concern/Finding addressed by that task.

All Tasks  
5-Year Plan Budget (FYP) For Planned Actions (Implementation Costs)

Task ID	Concerns addressed by this task Brief Description of Task	COSTS (\$K)					FYP ADS #	Priority
		FY 92	FY 93	FY 94	FY 95	FY 96		
T1268	OP.3-3 Develop Uniform Procedures for Operator Aids	0	0	10	0	0		2
T1270	RP.4-1 RP.8-1 Revise Calibration Facility Exposure Controls	25	0	0	0	0		1
T1272	RP.9-1 Develop Air Monitoring Strategy	0	10	0	0	0	3951	1
T1273	RP.11-1 RP.5-4 Develop Policy/Procedures for Pocket Dosimeters	0	10	0	0	0		2
T1275	RP.10-1 Revise Radiation Survey Training	0	15	0	0	0		2
T1277	WM/CF-5 Revise Radioactive Waste Management Plan	130	0	0	0	0		2
T1279	RP.13-3 Retrain Health Physics Technicians & Rad. Workers	86	0	0	0	0		2
T1281	RAD/CF-2 Develop a Decommissioning Program	0	40	25	0	0		2
T1282	WS.2-2 Secure Guidance on OSHA Posting	1	0	0	0	0		2

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Task priority shown is that of highest priority Concern/Finding addressed by that task.

All Tasks  
5-Year Plan Budget (FYP) For Planned Actions (Implementation Costs)

Task ID	Concerns addressed by this task Brief Description of Task	COSTS (\$K)					FYP ADS#	Priority
		FY 92	FY 93	FY 94	FY 95	FY 96		
T1285	PT.12-1 WM/CF-3 Revise Haz. Waste Packaging & Storage Procedures	8	2	0	0	0		1
T1286	QV.1-3 Establish Training Program for QA Activity	0	35	0	0	0		2
T1288	WM/CF-1 WM/CF-2 Formalize Waste Classification Program	3	2	0	0	0		1
T1289	WM/CF-6 Develop Hazardous Materials Spill Contingency Plan	25	50	25	0	0		2
T1290	MF-4 MF-5 Develop Human Resources Management Plan	18	2	0	0	0		2
T1291	OA.8-1 Fitness for Duty Program	0	0	0	25	0		3
T1292	OP.1-1 Identify & Develop Qualification Req'ts & Training	140	150	150	0	0		3
T1293	MF-9 PT.3-1 QA/CF-4 WM/BMPF-1 WM/CF-2 WM/CF-3 WS.1-1 Develop Comprehensive Audit Plan for ES&H Act.	10	10	0	0	0		1

.CAP ATT4 ADS #s are provided for the ERWM and Safety & Health Five Year Plans  
Task priority shown is that of highest priority Concern/Finding addressed by that task.

All Tasks  
5-Year Plan Budget (FYP) For Planned Actions (Implementation Costs)

Task ID	Concerns addressed by this task Brief Description of Task	COSTS (\$K)					FYP ADS #	Priority
		FY 92	FY 93	FY 94	FY 95	FY 96		
T1294	MF-9 PT.3-1 QA/CF-4 WM/BMPF-1 Define Audit Roles & Responsibilities	5	0	0	0	0		2
T1295	MF-9 PT.3-1 QA/CF-4 WM/BMPF-1 Develop a Detailed Procedure for Audits	7	0	0	0	0		2
T1296	WS.4-3 Develop Machine Safety Program	40	50	0	0	0	A92D0007	2
T1297	WS.4-3 Install Machine Guards	50	100	0	0	0	A92D0007	2
T1298	SW/CF-1 Develop Secondary Containment Program	70	60	0	0	0		2
T1300	OA.2-1 Assess & Implement Approp.Indep.Safety Oversight	0	10	0	0	0		3
T1301	MF-7 Establish Appropriate Level of Formality of Ops	25	0	0	0	0		2
T1303	MF-7 Provide Policy Guidance for Systems/Programs	0	90	0	0	0		2
T1309	QV.7-1 Review and Revise Welding Standards	15	21	0	0	0		2
T1310	AX.5-1 Review & Improve Plating Shop Ventilation	0	0	50	0	0		2

CAP ATT4 ADS #s are provided for the ERWM and Safety & Health Five Year Plans  
Task priority shown is that of highest priority Concern/Finding addressed by that task.

All Tasks  
5-Year Plan Budget (FYP) For Planned Actions (Implementation Costs)

Task ID	Concerns addressed by this task Brief Description of Task	COSTS (\$K)					FYP ADS #	Priority
		FY 92	FY 93	FY 94	FY 95	FY 96		
T1311	IWS/BMPF-1 PP.3-1 TCM/BMPF-4 WS.3-4 Develop Hazardous Materials Management System	0	95	95	0	0		2
T1314	FR.2-1 FR.2-2 FR.5-1 Revise Safety Review Policy	0	35	0	0	0		2
T1315	QV.8-1 Establish Nondestructive Test Training	0	0	0	0	25		3
T1316	EA.1-1 Provide Experimenter Safety Training	25	25	0	0	0		2
T1321	RP.3-4 Develop Radioactive Source Inventory Program	15	0	0	0	0		2
T1322	RP.12-2 Obtain Records of Previous Radiation Exposure	0	5	25	0	0		2
T1323	PT.6-2 Develop Procedure for Rad. Sources Brought Onsite	0	10	0	0	0		3
T1325	PT.6-2 Provide Training for Radioactive Source Handling	0	3	6	0	0		3
T1327	MA.1-1 MA.4-1 MA.5-1 MA.6-1 MA.7-1 Establish Maintenance Management Programs	10	15	25	0	0		2

ADS #s are provided for the ERWM and Safety & Health Five Year Plans  
Task priority shown is that of highest priority Concern/Finding addressed by that task.

All Tasks  
5-Year Plan Budget (FYP) For Planned Actions (Implementation Costs)

Task ID	Concerns addressed by this task Brief Description of Task	COSTS (\$K)					FYP ADS #	Priority
		FY 92	FY 93	FY 94	FY 95	FY 96		
T1328	QV.4-1 QV.4-2 Develop Calibration Program Inclusion Criteria	6	6	0	0	0		2
T1331	QV.4-1 QV.4-2 Survey Devices to be Calibrated	0	35	0	0	0		2
T1332	QV.4-1 QV.4-2 QV.4-3 Revise Calibration Procedures	0	25	25	0	0		2
T1333	QV.4-1 QV.4-2 QV.4-3 Implement Calibration Program	0	0	100	0	0		2
T1335	PP.1-1 PP.1-2 PP.1-3 PP.2-2 PP.3-1 WS.2-1 WS.3-1 Integrate Personnel Protection Program	30	40	40	0	0		2
T1336	FR.4-1 Perform Regular Operating Reviews	0	0	0	25	0		3
T1337	FR.5-1 Perform Triennial Review System Appraisals	0	0	75	0	0		2
T1338	A/BMPF-1 Develop Procedures for Air Permits	0	0	5	0	0		3
T1339	MF-10 Formalize University Oversight Initiatives	15	5	0	0	0		2
T1341	SW/CF-6 Liquid Radiological Effluent Monitoring Program	0	10	10	0	0		2

.CAP ATT4 ADS #s are provided for the ERWM and Safety & Health Five Year Plans  
Task priority shown is that of highest priority Concern/Finding addressed by that task.



All Tasks  
5-Year Plan Budget (FYP) For Planned Actions (Implementation Costs)

Task ID	Concerns addressed by this task Brief Description of Task	COSTS (\$K)					FYP ADS #	Priority
		FY 92	FY 93	FY 94	FY 95	FY 96		
T1343	GW/CF-4 Develop Environmental Surveillance Program	0	0	135	135	0		2
T1345	PP.2-2 PP.3-1 PP.3-2 PP.4-1 PP.5-1 WS.3-1 Institute Regular IH Monitoring	7	0	0	0	0		2
T1346	SW/CF-3 Revise Spill Preven. Counter. & Control Plan	20	20	0	0	0		2
T1350	NEPA/CF-1 NEPA/CF-2 NEPA/CF-3 NEPA/CF-4 NEPA/CF-5 Develop Procedures for NEPA Compliance Review	60	15	0	0	0		2
T1351	NEPA/CF-1 NEPA/CF-2 NEPA/CF-3 NEPA/CF-4 NEPA/CF-5 Train Staff for NEPA Compliance	38	42	0	0	0		2
T1352	NEPA/CF-6 Develop NEPA Compliance Tracking System	0	10	0	0	0		2
T1354	MF-6 Formalize ES&H Directive System	40	0	0	0	0		2
T1355	A/BMPF-4 A/CF-3 Develop Asbestos Management Program	0	10	0	0	0		2
T1358	OA.3-1 PP.1-3 WS.1-2 WS.2-1 Establish Measurable Health and Safety Objectives	0	10	0	0	0		2

ADS #s are provided for the ERWM and Safety & Health Five Year Plans  
Task priority shown is that of highest priority Concern/Finding addressed by that task.

All Tasks  
5-Year Plan Budget (FYP) For Planned Actions (Implementation Costs)

Task ID	Concerns addressed by this task Brief Description of Task	COSTS (\$K)					FYP ADS #	Priority
		FY 92	FY 93	FY 94	FY 95	FY 96		
T1359	OP.3-1 Formalize Safe Operating Parameters	0	0	9	16	0		3
T1361	MF-8 PP.2-2 Implement a Corrective Action Management System	160	100	0	0	0		2
T1362	MF-11 Develop a Prototype ES&H Integrated POSP	0	0	0	0	0		0
T1363	MF-12 Develop memo of agreement defining RRAs	0	0	0	0	0		3
T1364	MF-15 Develop an ES&H Information Management Sys.	0	0	0	0	0		4
T1366	OA.5-1 SA-2 Institutionalize the Self-Assessment Effort	175	0	0	0	0		0
T1368	OA.6-1 Establish Job Qualifications Review System	0	0	20	0	0		3
T1373	EP.1-2 EP.2-1 EP.2-2 EP.6-1 EP.6-2 EP.6-3 EP.7-1 Develop Emergency Management Program	8	8	79	94	0		2
T1376	EP.1-1 EP.1-2 EP.2-1 IWS/CF-5 MF-7 OA.7-1 Conduct Hazards Assessment	170	230	0	0	0		1

.CAP ATT4 ADS #s are provided for the ERWM and Safety & Health Five Year Plans  
Task priority shown is that of highest priority Concern/Finding addressed by that task.

All Tasks  
5-Year Plan Budget (FYP) For Planned Actions (Implementation Costs)

Task ID	Concerns addressed by this task Brief Description of Task	COSTS (\$K)					FYP ADS #	Priority
		FY 92	FY 93	FY 94	FY 95	FY 96		
T1378	EP.1-4 Develop Emergency Readiness Assurance Plan	55	0	0	0	0		2
T1383	WS.2-3 Analyze SLAC LWD Experience	0	0	3	0	0		4
T1385	MF-2 OA.1-1 OA.1-2 WS.1-2 Establish Divisional & Departmental ES&H RRA's	100	0	0	0	0		2
T1387	IWS/CF-4 Generate Maps for Contaminated Areas	3	0	0	0	0		2
T1389	MA.2-1 Discard and/or Replace Improper Tags	5	0	0	0	0		1
T1391	MA.2-1 Review and Modify Lock and Tag Procedures	3	0	0	0	0		1
T1392	MA.2-1 Develop Non-Electrical Lock & Tag Procedures	12	13	0	0	0		1
T1396	EP.2-2 EP.7-1 Develop Emergency Plan Implementing Proc.(EIPs)	0	23	22	21	0		2
T1398	EP.3-1 EP.7-1 Develop Emergency Management Training Program	0	40	130	0	0		2

ADS #s are provided for the ERWM and Safety & Health Five Year Plans  
Task priority shown is that of highest priority Concern/Finding addressed by that task.

All Tasks  
5-Year Plan Budget (FYP) For Planned Actions (Implementation Costs)

Task ID	Concerns addressed by this task Brief Description of Task	COSTS (\$K)					FYP ADS #	Priority
		FY 92	FY 93	FY 94	FY 95	FY 96		
T1399	EP.3-1 EP.4-1 EP.7-1 Develop Emergency Exercise Program	0	20	270	0	0		2
T1402	EP.5-1 Upgrade Emergency Operations Center	17	23	0	0	0		2
T1409	MF-5 PT.2-1 PT.2-2 RP.13-1 Develop ES&H Training Plan	47	13	0	0	0		2
T1411	MF-5 Review Subcontractor Training Policy	15	0	0	0	0		2
T1413	QA/CF-3 QA/CF-5 Develop Environmental QA/QC Guidelines	15	0	0	0	0		2
T1414	PP.1-1 PP.1-2 PP.3-1 PP.3-2 PP.4-1 PP.5-1 WS.1-2 WS.2-1 Increase Industrial Hygiene Staffing	40	0	0	0	0		2
T1417	PT.11-1 Hazardous Materials Transportation Appraisals	0	0	0	0	0		3
T1418	EP.1-3 Develop SF Emergency Mgmt. Memorandum of Agreement	0	0	0	0	0		3
T1419	EP.1-3 Schedule SF Emergency Management Self-Assessment	0	0	0	0	0		3

ADS #s are provided for the ERWM and Safety & Health Five Year Plans  
Task priority shown is that of highest priority Concern/Finding addressed by that task.

All Tasks  
5-Year Plan Budget (FYP) For Planned Actions (Implementation Costs)

Task ID	Concerns addressed by this task Brief Description of Task	COSTS (\$K)					FYP ADS #	Priority
		FY 92	FY 93	FY 94	FY 95	FY 96		
T1420	MF-14 Complete Training Needs Assessment	0	0	0	0	0		3
T1421	MF-14 Ensure DOE-SF Staff Rec.Core & Site-specific Train	0	0	0	0	0		3
T1422	QA/CF-6 SSO & DOE-SF to Improve QA Oversight	0	0	0	0	0		3
T1423	PT.8-1 Implement New SF/ERWM Branch	0	0	0	0	0		4
T1424	MF-17 Reflect ES&H/QA in Prime Contract	0	0	0	0	0		3
T1425	MF-13 MF-16 PP.2-3 Develop Oversight Plan	0	0	0	0	0		3
T1426	RAD/CF-1 Prepare & Implement an ALARA Program at DOE-SF	0	0	0	0	0		2
T1427	RAD/CF-1 Provide Oversight to the SLAC ALARA Program	0	0	0	0	0		2
T1428	PP.2-3 Develop SSO Corrective Action Tracking System	0	0	0	0	0		3

.CAP ATT4 ADS #s are provided for the ERWM and Safety & Health Five Year Plans  
Task priority shown is that of highest priority Concern/Finding addressed by that task.

All Tasks  
5-Year Plan Budget (FYP) For Planned Actions (Implementation Costs)

Task ID	Concerns addressed by this task Brief Description of Task	COSTS (\$K)					FYP ADS #	Priority
		FY 92	FY 93	FY 94	FY 95	FY 96		
T1429	PP.2-3 Close-out Past Appraisal Recommendations	0	0	0	0	0		3
T1430	MF-13 Complete Memo. of Agreements betwn. SSO & SF div.	0	0	0	0	0		4
T1431	MF-15 SA-5 Institute Self Assessment of Program Offices	0	0	0	0	0		4
T1434	FP.2-1 Conduct Baseline Life Safety Survey	40	0	0	0	0	A92D0010	2
T1435	TCM/BMPF-2 Revise Contractor Oversight Program	4	0	0	0	0		3
T1437	MF-9 WS.1-1 WS.1-2 Increase OSHA Compliance Staffing	48	0	0	0	0		2
T1438	MF-9 Increase Environmental Compliance Staffing	43	0	0	0	0		2
T1440	AX.1-1 Request Auxiliary System Definition Guidance	0	0	0	0	0		4
T1441	SW/CF-6 Modify LINAC & SLC Sump Modification	100	80	0	0	0		2

3523    3768    2256    408    25    Total: 9980

.CAP ATT4    ADS #s are provided for the ERWM and Safety & Health Five Year Plans  
Task priority shown is that of highest priority Concern/Finding addressed by that task.

**ERWM FUNDED TASKS**  
**5-Year Plan Budget (FYP) For Planned Actions (Implementation Costs)**

Task ID	Concerns addressed by this task Brief Description of Task	COSTS (\$K)					FYP ADS #	Priority
		FY 92	FY 93	FY 94	FY 95	FY 96		
T1179	IWS/CF-1 Prepare Implementation Plan for DOE 5400.4	0	25	9	0	0	1483-30	1
T1180	IWS/CF-1 Develop IWS Remediation Management Plan	0	21	7	0	0	1483-30	1
T1209	IWS/CF-2 Develop Community Relations Plan	10	5	0	0	0	1483-30	1
T1226	GW/CF-3 Develop Monitoring Well & Soil Boring Program	0	0	30	0	0	1483-10	1
T1272	RP.9-1 Develop Air Monitoring Strategy	0	10	0	0	0	3951	1
		10	61	46	0	0	Total: 117	

This task information duplicates task data in Summary Table 4-2a.

ADS #s are provided for the ERWM and Safety & Health Five Year Plans

Task priority shown is that of highest priority Concern/Finding addressed by that task.

**Table 4-3 Master Schedule for all Tasks, Sort by CAMP Priority**



# SLAC/SSRL CORRECTIVE ACTION PLAN

MASTER SCHEDULE AND COST SUMMARY FOR ALL TASKS

SORT BY CAMP PRIORITY SYSTEM

FINAL

**SLAC/SSRL CORRECTIVE ACTION PLAN:  
MASTER SCHEDULE AND COST SUMMARY FOR ALL TASKS**

CALENDAR 1992 | CALENDAR 1993 | CALENDAR 1994 | CALENDAR 1995 |

FISCAL YEAR 1992												FISCAL YEAR 1993												FISCAL YEAR 1994												FISCAL YEAR 1995												FISCAL YEAR 1996											
O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S
T	V	C	E	A	P	A	R	Y	N	L	G	T	V	C	E	A	P	A	R	Y	N	L	G	T	V	C	E	A	P	A	R	Y	N	L	G	T	V	C	E	A	P	A	R	Y	N	L	G	T	V	C	E	A	P	A	R	Y	N	L	G

>> SORTED BY CAMP PRIORITY SYSTEM ORDER <<

DOE Priority	Camp Priority	Concern Finding	Task ID	Description	Implementation Cost	Ongoing Cost	1992	1993	1994	1995	1996
1	74.8	TCM/CF-2		SLAC does not have integrated procedures or comprehensive sitewide inventory to manage oil-filled equipment, including PCB equipment, in order to ensure compliance with 40 CFR 761, 40 CFR 112, and DOE 6430.1A.							
1	74.8		T1258	Establish Program to Manage Oil Filled Equipment	\$370,000	\$80,000	█	█	█	█	█
1	69	WM/CF-3		Waste accumulation and storage management activities have not been uniformly implemented across the site to ensure compliance with federal and state requirements.							
1	69		T1095	Expand Hazardous Waste Management Training Prgm.	\$160,000	\$50,000	█	█	█	█	█
1	69		T1116	Develop WAA Management Procedures	\$12,000	\$0	█				
1	69		T1119	Implement Hazardous Waste Tracking System	\$50,000	\$15,000	█	█	█	█	█
1	69		T1285	Revise Haz. Waste Packaging & Storage Procedures	\$10,000	\$0	█				
1	69		T1293	Develop Comprehensive Audit Plan for ES&H Act.	\$20,000	\$0	█				
2	69	WM/CF-2		SLAC does not have a formalized waste classification or quality assurance program to ensure that all waste streams are properly identified, as required by State of California Regulations, Title 22.							
1	69		T1288	Formalize Waste Classification Program	\$5,000	\$0	█				
1	69		T1293	Develop Comprehensive Audit Plan for ES&H Act.	\$20,000	\$0	█				
1	69	WM/CF-1		SLAC's hazardous waste management training program has not been fully implemented to ensure that all facility personnel with responsibility for hazardous waste management activities have been trained, and to ensure that hazardous waste is managed in accordance with the State of California regulatory requirements.							
1	69		T1095	Expand Hazardous Waste Management Training Prgm.	\$160,000	\$50,000	█	█	█	█	█
1	69		T1288	Formalize Waste Classification Program	\$5,000	\$0	█				
1	69		T1116	Develop WAA Management Procedures	\$12,000	\$0	█				
2	67.333	WS.3-3		The Stanford Linear Accelerator Center does not have a confined space entry program that complies with DOE 5480.4 and ANSI Z117.1.							
2	67.333		T1172	Inventory Confined Space Hazards	\$25,000	\$5,000	█	█	█	█	█
2	67.333		T1177	Develop Confined Space Entry Permit Program	\$10,000	\$0	█				
2	67.333		T1178	Develop Confined Space Training Program	\$12,000	\$0	█				
2	67	WS.1-2		The Environmental Safety and Health Division has not performed an aggressive, proactive role in addressing safety and health issues, as required by DOE 5480.10, and DOE 5483.1A.							
2	67		T1358	Establish Measurable Health and Safety Objectives	\$10,000	\$0	█				
2	67		T1385	Establish Divisional & Departmental ES&H RRA's	\$100,000	\$0	█				
2	67		T1414	Increase Industrial Hygiene Staffing	\$40,000	\$70,000	█	█	█	█	█
2	67		T1437	Increase OSHA Compliance Staffing	\$48,000	\$72,000	█	█	█	█	█

**SLAC/SSRL CORRECTIVE ACTION PLAN:  
MASTER SCHEDULE AND COST SUMMARY FOR ALL TASKS**

>> SORTED BY CAMP PRIORITY SYSTEM ORDER <<

CALENDAR 1992					CALENDAR 1993					CALENDAR 1994					CALENDAR 1995					CALENDAR 1996									
FISCAL YEAR 1992					FISCAL YEAR 1993					FISCAL YEAR 1994					FISCAL YEAR 1995					FISCAL YEAR 1996									
O	N	D	J	F	O	N	D	J	F	O	N	D	J	F	O	N	D	J	F	O	N	D	J	F	O	N	D	J	F
C	O	E	A	E	C	O	E	A	E	C	O	E	A	E	C	O	E	A	E	C	O	E	A	E	C	O	E	A	E
T	V	C	N	B	T	V	C	N	B	T	V	C	N	B	T	V	C	N	B	T	V	C	N	B	T	V	C	N	B
R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
N	L	G	P	P	N	L	G	P	P	N	L	G	P	P	N	L	G	P	P	N	L	G	P	P	N	L	G	P	P

DOE Priority	Camp Priority	Concern Finding	Task ID	Description	Implementation Cost	Ongoing Cost	1992	1993	1994	1995	1996
2	66.667	MA.8-1		Maintenance work is performed without the appropriate safety guidance and direction required by DOE 5480.19.							
2	66.667		T1242	Develop & Implement Maint. Safety Procedure(s)	\$235,000	\$250,000					
2	66	MF-1		SLAC does not have a strategic and subordinate implementation planning process that integrates ES&H and programmatic goals into its mission to define, guide, and prioritize the accomplishment of its ES&H and programmatic objectives.							
2	66		T1196	Establish & Communicate ES&H Expectations	\$2,000	\$0					
2	66		T1197	Integrate ES&H into Planning & Budgeting	\$10,000	\$0					
2	66		T1198	Implement Top-Down ES&H Leadership/Overight	\$7,000	\$0					
2	65.25	MF-7		Operations throughout the SLAC and SSRL site lack the formality required by pertinent ES&H DOE Orders and current best management practices.							
2	65.25		T1301	Establish Appropriate Level of Formality of Ops	\$25,000	\$0					
2	65.25		T1303	Provide Policy Guidance for Systems/Programs	\$90,000	\$0					
1	65.25		T1378	Conduct Hazards Assessment	\$400,000	\$0					
2	64.5	WM/CF-5		Radioactive waste is not fully managed in a manner to ensure (1) that it is properly handled, segregated, characterized, stored, and shipped; (2) that the waste certification program meets the Hanford Site Radioactive Solid Waste Acceptance Criteria (WHC-EP-0063-2); and (3) that the generation of low-level radioactive waste is minimized.							
2	64.5		T1277	Revise Radioactive Waste Management Plan	\$130,000	\$0					
2	63	MF-10		Stanford University does not maintain a formal program of oversight of the ES&H activities at SLAC and SSRL.							
2	63		T1339	Formalize University Oversight Initiatives	\$20,000	\$0					
2	63	MF-5		SLAC and SSRL do not have an effective ES&H training program to ensure that all staff are appropriately trained and qualified to perform their ES&H duties, and SLAC and SSRL do not possess the present capability to establish such a program.							
2	63		T1290	Develop Human Resources Management Plan	\$20,000	\$0					
2	63		T1409	Develop ES&H Training Plan	\$60,000	\$50,000					
2	63		T1411	Review Subcontractor Training Policy	\$15,000	\$10,000					
2	63	MF-3		Individual ES&H RRAs of all individuals at SLAC and SSRL have not been formally defined and clearly communicated and are not well understood.							
2	63		T1224	Establish ES&H RRA's for Job Classes	\$100,000	\$0					
2	63	MF-2		Organizational ES&H roles, responsibilities, and authorities (RRAs) within and between SLAC and SSRL organizations have not been formally defined and clearly communicated and are not well understood at all levels.							
2	63		T1222	Clarify Building Manager RRA's	\$50,000	\$0					
2	63		T1223	Clarify Inter-relationships of RRA's	\$10,000	\$0					
2	63		T1385	Establish Divisional & Departmental ES&H RRA's	\$100,000	\$0					

**SLAC/SSRL CORRECTIVE ACTION PLAN:  
MASTER SCHEDULE AND COST SUMMARY FOR ALL TASKS**

CALENDAR 1992 | CALENDAR 1993 | CALENDAR 1994 | CALENDAR 1995 |

FISCAL YEAR 1992					FISCAL YEAR 1993					FISCAL YEAR 1994					FISCAL YEAR 1995					FISCAL YEAR 1996																																							
O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S
T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P

DOE Priority	Camp Priority	Concern Finding	Task ID	Description	Implementation Cost	Ongoing Cost	1992	1993	1994	1995	1996
1	63	OA.7-1		Hazards assessments have not been documented for some facilities as required by DOE 5500.3A.							
1	63		T1376	Conduct Hazards Assessment	\$400,000	\$0	█	█			
2	62.625	PT.12-1		Packaging and storage of hazardous waste is not conducted in compliance with DOT regulations of 49 CFR 177, Subparts B, C, and D.							
1	62.625		T1285	Revise Haz. Waste Packaging & Storage Procedures	\$10,000	\$0	█	█			
2	62.25	WS.4-4		Stanford Linear Accelerator Center does not comply with the electrical requirements of 29 CFR 1910, Subpart S.							
2	62.25		T1256	Review and Remedy Electrical Compliance Issues	\$335,000	\$130,000	█	█			
2	62.25	WS.3-2		The Stanford Linear Accelerator Center Hazard Communication Program does not comply with the requirements of 29 CFR 1910.1200.							
2	62.25		T1176	Revise SLAC Hazard Communication Program	\$100,000	\$10,000	█	█			
2	61.875	EP.1-1		Stanford Linear Accelerator Center has not prepared a sitewide hazards assessment to provide the technical basis for the emergency management program as required by DOE 5500.3A.							
1	61.875		T1376	Conduct Hazards Assessment	\$400,000	\$0	█	█			
2	61.5	PT.4-1		The Stanford Linear Accelerator Center does not provide 24-hour emergency contact that meets the requirements of 49 CFR 172.604.							
2	61.5		T1014	Emergency Response for Hazardous Material Shipment	\$3,000	\$2,000	█				
2	61.5	IWS/CF-5		SLAC has not met all the reporting requirements of the California Hazardous Materials Release Response and Inventory ("Business Plan") Program, and procedures are not in place to ensure expeditious reporting of any release of hazardous materials to the environment.							
1	61.5		T1095	Expand Hazardous Waste Management Training Prgm.	\$160,000	\$50,000	█	█			
2	61.5		T1210	Revise Hazardous Materials Response Plan	\$80,000	\$0	█	█			
1	61.5		T1376	Conduct Hazards Assessment	\$400,000	\$0	█	█			
2	61.5	RAD/CF-3		SLAC has not developed finalized plans and procedures specifying requirements for the release of property having residual radioactive material and has not maintained the records of released property as required by DOE 5400.5.							
2	61.5		T1200	Finalize Procedures for Release of Property	\$4,000	\$0	█	█			
2	61.5		T1201	Remove Radioactive Material From Non-RMMAs	\$50,000	\$0	█	█			
2	61.5	GW/CF-4		An environmental surveillance program has not been developed to assess the environmental impact of SLAC site activities in accordance with DOE 5400.1.							
2	61.5		T1343	Develop Environmental Surveillance Program	\$270,000	\$50,000	█	█			

**SLAC/SSRL CORRECTIVE ACTION PLAN:  
MASTER SCHEDULE AND COST SUMMARY FOR ALL TASKS**

CALENDAR 1992												CALENDAR 1993												CALENDAR 1994												CALENDAR 1995												CALENDAR 1996											
FISCAL YEAR 1992												FISCAL YEAR 1993												FISCAL YEAR 1994												FISCAL YEAR 1995												FISCAL YEAR 1996											
O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S
T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P

>> SORTED BY CAMP PRIORITY SYSTEM ORDER <<

DOE Priority	Camp Priority	Concern Finding	Task ID	Description	Implementation Cost	Ongoing Cost	Cost	1992	1993	1994	1995	1996
2	61.5	SW/CF-1		Secondary containment sufficient to prevent a release to the environment has not been provided for all oil-filled equipment and hazardous chemicals.								
2	61.5		T1288	Develop Secondary Containment Program	\$130,000	Ongoing Cost: \$60,000						
2	61.5		T1246	Provide Safe Storage for Cooling Tower Chemicals	\$211,000	Ongoing Cost: \$0						
2	60.923	PP.3-2		Periodic walk-through surveys of the workplace are not regularly performed to identify potential health and safety hazards, as required in 29 CFR 1910.94 and DOE 5481.1B, Section 9.d.2e.								
2	60.923		T1064	Create Guidance Documents for Various Inspectors	\$40,000	Ongoing Cost: \$20,000						
2	60.923		T1067	Add ES&H Personnel to Increase Surveillance	\$75,000	Ongoing Cost: \$75,000						
2	60.923		T1224	Establish ES&H PRA's for Job Classes	\$100,000	Ongoing Cost: \$0						
2	60.923		T1345	Institute Regular IH Monitoring	\$7,000	Ongoing Cost: \$0						
2	60.923		T1414	Increase Industrial Hygiene Staffing	\$40,000	Ongoing Cost: \$70,000						
1	60.75	IWS/CF-1		SLAC does not have an adequate program to identify, characterize, and manage inactive waste site activities in accordance with the requirements of DOE 5400.4, CERCLA, the NCP, and Executive Order 12850.								
2	60.75		T1179	Prepare Implementation Plan for DOE 5400.4	\$34,000	Ongoing Cost: \$0						
2	60.75		T1180	Develop IWS Remediation Management Plan	\$28,000	Ongoing Cost: \$0						
2	60.75		T1192	Develop Schedule for Preliminary Assessment of IWS	\$150,000	Ongoing Cost: \$0						
2	60.368	WS.4-3		Machine guarding is not universally in place for equipment as required by 29 CFR 1910, Subpart O.								
2	60.368		T1296	Develop Machine Safety Program	\$90,000	Ongoing Cost: \$0						
2	60.368		T1297	Install Machine Guards	\$150,000	Ongoing Cost: \$100,000						
2	60	RP.13-3		Retraining for Health Physics Technicians and for Radiation Workers is not being done, contrary to DOE 5480.11, Sections 9.0.2 and .3.								
2	60		T1279	Retrain Health Physics Technicians & Rad. Workers	\$86,000	Ongoing Cost: \$35,000						
2	60	RP.13-1		Stanford Linear Accelerator Center does not provide Radiation Worker Training for some occupational workers entering radiological areas including High Radiation Areas as required by DOE 5480.11, Section 9.0.2.								
2	60		T1121	Review Training for Radiological Areas	\$26,000	Ongoing Cost: \$0						
2	60		T1409	Develop ES&H Training Plan	\$60,000	Ongoing Cost: \$50,000						

**SLAC/SSRL CORRECTIVE ACTION PLAN:  
MASTER SCHEDULE AND COST SUMMARY FOR ALL TASKS**

CALENDAR 1992 | CALENDAR 1993 | CALENDAR 1994 | CALENDAR 1995

FISCAL YEAR 1992					FISCAL YEAR 1993					FISCAL YEAR 1994					FISCAL YEAR 1995					FISCAL YEAR 1996				
O	N	D	J	F	O	N	D	J	F	O	N	D	J	F	O	N	D	J	F	O	N	D	J	F
T	V	C	N	B	T	V	C	N	B	T	V	C	N	B	T	V	C	N	B	T	V	C	N	B

>> SORTED BY CAMP PRIORITY SYSTEM ORDER <<

DOE Priority	Camp Priority	Concern Finding	Task ID	Description	Implementation Cost	Ongoing Cost	1992	1993	1994	1995	1996
2	60	RP.6-1		The radiation protection instrumentation program is not in compliance with the mandatory standards of DOE 5480.4, Attachment 1, Item 2.d.1 and DOE 5480.11, Section 9.g.3b.							
2	60		T1230	Develop Continuous Instrument Calibration Proc. Implementation Cost: \$55,000	Ongoing Cost: \$0						
2	60		T1231	Develop Portable Instrument Calibration Program Implementation Cost: \$55,000	Ongoing Cost: \$20,000						
1	60		T1270	Revise Calibration Facility Exposure Controls Implementation Cost: \$25,000	Ongoing Cost: \$0						
2	60	RP.5-2		Stanford Linear Accelerator Center practices for whole body and extremity dosimetry are not in compliance with DOE 5480.11, Section 9.g.1.							
2	60		T1114	Improve Whole Body Dosimetry Practices Implementation Cost: \$65,000	Ongoing Cost: \$0						
2	60		T1145	Improve Extremity Dosimetry Practices Implementation Cost: \$65,000	Ongoing Cost: \$0						
2	60	RP.5-1		The whole body dosimeter does not measure all the types and energies of radiation anticipated at the Stanford Linear Accelerator Center as required in DOE 5480.11, Section 9.g.1 and DOE 5480.15.							
2	60		T1054	Review SLAC Dosimetry System Implementation Cost: \$15,000	Ongoing Cost: \$0						
1	60	RP.4-1		The posting and external radiation exposure controls at the calibration facility do not comply with DOE 5480.11.							
1	60		T1270	Revise Calibration Facility Exposure Controls Implementation Cost: \$25,000	Ongoing Cost: \$0						
2	60	RP.3-1		The documented radiation protection policy is not consistent with the requirements of DOE 5480.11.							
2	60		T1091	Revise Radiation Protection Policy Implementation Cost: \$25,000	Ongoing Cost: \$0						
2	60	NEPA/CF-4		The two SLAC environmental assessments and the environmental statement are deficient when judged against the requirements of 40 CFR 1500.2 (a), 1500.2(a), and 1508.9 of the Council on Environmental Quality regulations.							
2	60		T1350	Develop Procedures for NEPA Compliance Review Implementation Cost: \$75,000	Ongoing Cost: \$10,000						
2	60		T1351	Train Staff for NEPA Compliance Implementation Cost: \$60,000	Ongoing Cost: \$10,000						
2	59.974	PP.3-1		The Stanford Linear Accelerator Center does not have a documented program for identifying, evaluating, and controlling occupational safety and health hazards as required by DOE 5480.10, DOE 5480.1B, and DOE 5480.4.							
2	59.974		T1311	Develop Hazardous Materials Management System Implementation Cost: \$190,000	Ongoing Cost: \$40,000						
2	59.974		T1335	Integrate Personnel Protection Program Implementation Cost: \$110,000	Ongoing Cost: \$40,000						
2	59.974		T1345	Institute Regular IH Monitoring Implementation Cost: \$7,000	Ongoing Cost: \$0						
2	59.974		T1414	Increase Industrial Hygiene Staffing Implementation Cost: \$40,000	Ongoing Cost: \$70,000						
2	59.714	MF-6		SLAC and SSRL do not have a formal system for the receipt, distribution, control, and implementation of official DOE correspondence, including DOE Orders, Secretary of Energy Notices (SENs), and other DOE requirements and guidance materials.							
2	59.714		T1354	Formalize ESAH Directive System Implementation Cost: \$40,000	Ongoing Cost: \$40,000						

**SLAC/SSRL CORRECTIVE ACTION PLAN:  
MASTER SCHEDULE AND COST SUMMARY FOR ALL TASKS**

CALENDAR 1992 | CALENDAR 1993 | CALENDAR 1994 | CALENDAR 1995

>> SORTED BY CAMP PRIORITY SYSTEM ORDER <<

DOE Priority	Camp Priority	Concern Finding	Task ID	Description	FISCAL YEAR 1992												FISCAL YEAR 1993												FISCAL YEAR 1994												FISCAL YEAR 1995												FISCAL YEAR 1996											
					O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S
2	59.286	QV.7-1		Programs are not established to ensure that structural, pressure-vessel, and other important-to-quality welding activities are accomplished in accordance with appropriate codes and standards as required by DOE 5700.6B.																																																												
2	59.286		T1218	Revise Pressure Vessel Procedures Implementation Cost: \$115,000 Ongoing Cost: \$20,000																																																												
2	59.286		T1309	Review and Revise Welding Standards Implementation Cost: \$36,000 Ongoing Cost: \$0																																																												
2	59.114	QV.6-1		The programs for ensuring that pressure vessels are properly fabricated, installed, tested, operated, and reinspected are not effectively implemented as required by DOE 5700.6B and generally accepted industry standards.																																																												
2	59.114		T1218	Revise Pressure Vessel Procedures Implementation Cost: \$115,000 Ongoing Cost: \$20,000																																																												
2	59.027	WS.4-5		Storage and labeling of flammable and combustible liquids, and design and construction of spray rooms at the Stanford Linear Accelerator Center do not comply with 29 CFR 1910.106 and 29 CFR 1910.107, respectively.																																																												
2	59.027		T1178	Revise SLAC Hazard Communication Program Implementation Cost: \$100,000 Ongoing Cost: \$10,000																																																												
2	59.027		T1293	Survey & Correct Flammable Liquids Handling Implementation Cost: \$20,000 Ongoing Cost: \$0																																																												
2	58	MF-9		The program of internal independent oversight of ES&H activities by SLAC and SSRL is insufficient in frequency and scope and lacks formality, completeness, consistency, and, in some respects, independence.																																																												
1	58		T1293	Develop Comprehensive Audit Plan for ES&H Act. Implementation Cost: \$20,000 Ongoing Cost: \$0																																																												
2	58		T1294	Define Audit Roles & Responsibilities Implementation Cost: \$5,000 Ongoing Cost: \$0																																																												
2	58		T1295	Develop a Detailed Procedure for Audits Implementation Cost: \$7,000 Ongoing Cost: \$0																																																												
2	58		T1437	Increase OSHA Compliance Staffing Implementation Cost: \$48,000 Ongoing Cost: \$72,000																																																												
2	58		T1438	Increase Environmental Compliance Staffing Implementation Cost: \$43,000 Ongoing Cost: \$65,000																																																												
2	58	MF-8		An integrated site-wide corrective action management system is not in place at SLAC and SSRL to ensure corrective action and closure of ES&H findings and issues arising from reviews, assessments, and occurrence reporting.																																																												
2	58		T1361	Implement a Corrective Action Management System Implementation Cost: \$260,000 Ongoing Cost: \$160,000																																																												
2	58	MF-4		SLAC and SSRL do not have effective ES&H human resource management programs that ensure the availability of sufficient qualified human resources for full implementation of their ES&H requirements.																																																												
2	58		T1290	Develop Human Resources Management Plan Implementation Cost: \$20,000 Ongoing Cost: \$0																																																												
2	58	WM/CF-6		SLAC does not have an integrated contingency plan that meets all the requirements of Article 20 of the California Hazardous Waste Management Regulations.																																																												
2	58		T1289	Develop Hazardous Materials Spill Contingency Plan Implementation Cost: \$100,000 Ongoing Cost: \$10,000																																																												
2	57.571	PP.2-1		Stanford Linear Accelerator Center's policies and management directives do not define the lines of authority and management responsibility for the control and support of occupational health and safety hazards as required by DOE 5480.10, and DOE 5482.1B.																																																												
2	57.571		T1018	Formalize Industrial Hygiene RRAs Implementation Cost: \$30,000 Ongoing Cost: \$0																																																												

**SLAC/SSRL CORRECTIVE ACTION PLAN:  
MASTER SCHEDULE AND COST SUMMARY FOR ALL TASKS**

>> SORTED BY CAMP PRIORITY SYSTEM ORDER <<

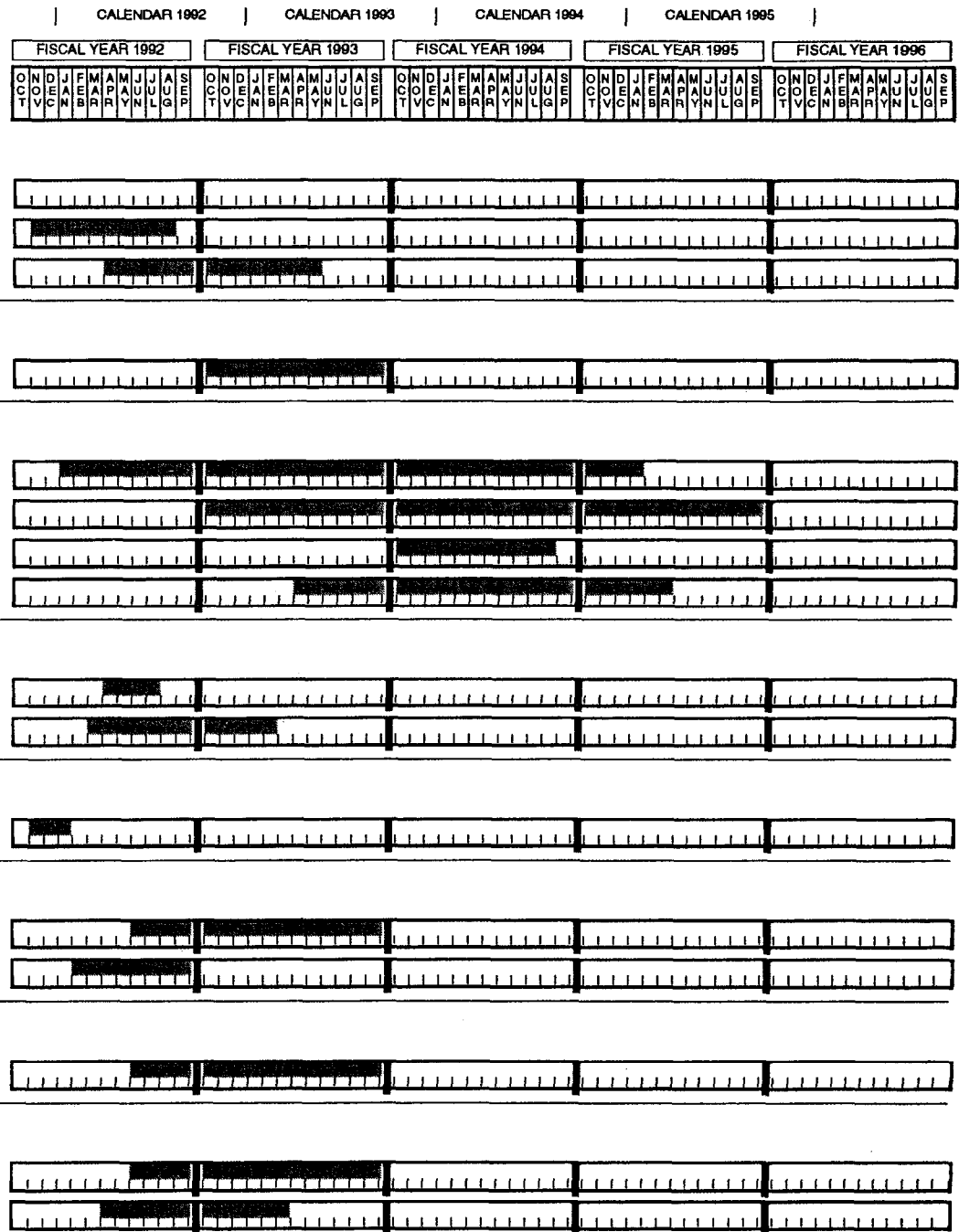
		CALENDAR 1992												CALENDAR 1993												CALENDAR 1994												CALENDAR 1995												CALENDAR 1996																
		FISCAL YEAR 1992				FISCAL YEAR 1993				FISCAL YEAR 1994				FISCAL YEAR 1995				FISCAL YEAR 1996				FISCAL YEAR 1992				FISCAL YEAR 1993				FISCAL YEAR 1994				FISCAL YEAR 1995				FISCAL YEAR 1996																												
DOE Priority	Camp Priority	Concern Finding	Task ID	Description	Implementation Cost	Ongoing Cost	Gantt Chart 1992												Gantt Chart 1993												Gantt Chart 1994												Gantt Chart 1995												Gantt Chart 1996											
2	57.143	WS.4-1		Means of egress are not marked and maintained to permit a continuous and unobstructed exit as required by 29 CFR 1910, Subpart E.																																																														
2	57.143		T1025	Modify ESAH Manual on Means of Egress Implementation Cost: \$7,000		\$0	[Gantt Chart]												[Gantt Chart]												[Gantt Chart]												[Gantt Chart]												[Gantt Chart]											
2	57.143		T1235	Initiate Fire Loss Surveys Implementation Cost: \$12,000		\$8,000	[Gantt Chart]												[Gantt Chart]												[Gantt Chart]												[Gantt Chart]												[Gantt Chart]											
2	57.143	WS.3-1		The implementation of the industrial hygiene program does not comply with substantive requirements mandated by DOE 5480.4, DOE 5480.10 and DOE 5482.1B.																																																														
2	57.143		T1335	Integrate Personnel Protection Program Implementation Cost: \$110,000		\$40,000	[Gantt Chart]												[Gantt Chart]												[Gantt Chart]												[Gantt Chart]												[Gantt Chart]											
2	57.143		T1345	Institute Regular IH Monitoring Implementation Cost: \$7,000		\$0	[Gantt Chart]												[Gantt Chart]												[Gantt Chart]												[Gantt Chart]												[Gantt Chart]											
2	56.714	WS.4-2		Guarding of floor openings, walkways, and aisles does not comply with 29 CFR 1910, Subpart D.																																																														
2	56.714		T1023	Survey Site to Identify Elevated Work Stations Implementation Cost: \$12,000		\$0	[Gantt Chart]												[Gantt Chart]												[Gantt Chart]												[Gantt Chart]												[Gantt Chart]											
2	56.714		T1080	Guard Elevated Work Station Implementation Cost: \$30,000		\$0	[Gantt Chart]												[Gantt Chart]												[Gantt Chart]												[Gantt Chart]												[Gantt Chart]											
2	56.714		T1082	Review Elevated Workplace Guarding Implementation Cost: \$3,000		\$0	[Gantt Chart]												[Gantt Chart]												[Gantt Chart]												[Gantt Chart]												[Gantt Chart]											
2	56.714	WS.2-2		Recording and reporting of occupational injuries and illnesses at the Stanford Linear Accelerator Center does not comply with 29 CFR 1904.																																																														
2	56.714		T1282	Secure Guidance on OSHA Posting Implementation Cost: \$1,000		\$0	[Gantt Chart]												[Gantt Chart]												[Gantt Chart]												[Gantt Chart]												[Gantt Chart]											
2	56.714	WS.2-1		Overall safety and health performance at the Stanford Linear Accelerator Center is not routinely measured to evaluate the effectiveness of control and does not comply with the requirements of DOE 5480.10 and DOE 5482.1B.																																																														
2	56.714		T1335	Integrate Personnel Protection Program Implementation Cost: \$110,000		\$40,000	[Gantt Chart]												[Gantt Chart]												[Gantt Chart]												[Gantt Chart]												[Gantt Chart]											
2	56.714		T1358	Establish Measurable Health and Safety Objectives Implementation Cost: \$10,000		\$0	[Gantt Chart]												[Gantt Chart]												[Gantt Chart]												[Gantt Chart]												[Gantt Chart]											
2	56.714		T1414	Increase Industrial Hygiene Staffing Implementation Cost: \$40,000		\$70,000	[Gantt Chart]												[Gantt Chart]												[Gantt Chart]												[Gantt Chart]												[Gantt Chart]											
2	56.714	PP.1-1		Stanford Linear Accelerator Center does not ensure the implementation of the personnel protection programs that effectively maintain the workplace free of health and safety concerns, as required by DOE 5480.4, DOE 5480.10, 29 CFR 1910, and others.																																																														
2	56.714		T1335	Integrate Personnel Protection Program Implementation Cost: \$110,000		\$40,000	[Gantt Chart]												[Gantt Chart]												[Gantt Chart]												[Gantt Chart]												[Gantt Chart]											
2	56.714		T1414	Increase Industrial Hygiene Staffing Implementation Cost: \$40,000		\$70,000	[Gantt Chart]												[Gantt Chart]												[Gantt Chart]												[Gantt Chart]												[Gantt Chart]											
2	56.714	PT.9-1		Shipping papers are not prepared in accordance with 49 CFR 172.																																																														
2	56.714		T1004	Prepare Procedure for Hazardous Waste Manifests Implementation Cost: \$5,000		\$0	[Gantt Chart]												[Gantt Chart]												[Gantt Chart]												[Gantt Chart]												[Gantt Chart]											
3	56.714	PT.6-1		The absence of proper vehicle maintenance at the Stanford Linear Accelerator Center compromises vehicle safety.																																																														
3	56.714		T1082	Review Records and Schedule Vehicle Maintenance Implementation Cost: \$12,000		\$0	[Gantt Chart]												[Gantt Chart]												[Gantt Chart]												[Gantt Chart]												[Gantt Chart]											



**SLAC/SSRL CORRECTIVE ACTION PLAN:  
MASTER SCHEDULE AND COST SUMMARY FOR ALL TASKS**

>> SORTED BY CAMP PRIORITY SYSTEM ORDER <<

DOE Priority	Camp Priority	Concern Finding	Task ID	Description	Implementation Cost	Ongoing Cost
1	56.714	MA.2-1		The lock and tag procedures as implemented at Stanford Linear Accelerator Center do not provide for the safe and effective conduct of maintenance and are not in compliance with DOE 5480.19 and 29 CFR 1910.147.		
1	56.714		T1388	Discard and/or Replace Improper Tags Implementation Cost: \$5,000	Ongoing Cost: \$0	
1	56.714		T1391	Review and Modify Lock and Tag Procedures Implementation Cost: \$3,000	Ongoing Cost: \$0	
1	56.714		T1392	Develop Non-Electrical Lock & Tag Procedures Implementation Cost: \$25,000	Ongoing Cost: \$0	
2	55.75	OA.3-1		Measurable safety objectives have not been established by the Stanford Linear Accelerator Center as required in DOE 5480.19, Chapter 1.		
2	55.75		T1358	Establish Measurable Health and Safety Objectives Implementation Cost: \$10,000	Ongoing Cost: \$0	
2	55.429	EP.7-1		An effective method for personnel accountability is not in place as required by DOE 5500.3A.		
2	55.429		T1373	Develop Emergency Management Program Implementation Cost: \$189,000	Ongoing Cost: \$0	
2	55.429		T1396	Develop Emergency Plan Implementing Proc.(EPIP) Implementation Cost: \$66,000	Ongoing Cost: \$10,000	
2	55.429		T1398	Develop Emergency Management Training Program Implementation Cost: \$170,000	Ongoing Cost: \$50,000	
2	55.429		T1399	Develop Emergency Exercise Program Implementation Cost: \$290,000	Ongoing Cost: \$125,000	
2	55	WS.6-1		Communications to employees at Stanford Linear Accelerator Center regarding asbestos, lead and formaldehyde does not comply with 29 CFR 1910.1001, 29 CFR 1910.1025, and 29 CFR 1910.1048.		
2	55		T1028	Notify Lead-Exposed Employees Implementation Cost: \$2,000	Ongoing Cost: \$0	
2	55		T1176	Revise SLAC Hazard Communication Program Implementation Cost: \$100,000	Ongoing Cost: \$10,000	
1	55	MA.3-1		Storage of maintenance records in an energized Control Panel is not compliance with the electrical safety practice required by DOE 4330.4A and 29 CFR 1910.333.		
1	55		T1001	Provide Safe Storage Location for CHF Maint. Book. Implementation Cost: \$0	Ongoing Cost: \$0	
2	55	QA/CF-3		SLAC has not developed or implemented finalized procedures for all of the environmental activities required by DOE 5700.8B and DOE 5400.1.		
2	55		T1122	Develop Integrated Environmental Monitoring Plan Implementation Cost: \$60,000	Ongoing Cost: \$0	
2	55		T1413	Develop Environmental QA/QC Guidelines Implementation Cost: \$15,000	Ongoing Cost: \$10,000	
2	55	QA/CF-1		SLAC has not prepared a formal Integrated Environmental Monitoring Plan which includes descriptions of effluent monitoring and environmental surveillance activity components, as required by DOE 5400.1, Chapter IV, Section 4. Annual Site Environmental Reports do not include all requirements of DOE 5400.11 Chapter II Section 4		
2	55		T1122	Develop Integrated Environmental Monitoring Plan Implementation Cost: \$60,000	Ongoing Cost: \$0	
2	55	GW/CF-1		SLAC does not have a fully developed Groundwater Protection Management Program or a groundwater monitoring plan as required under DOE 5400.1.		
2	55		T1122	Develop Integrated Environmental Monitoring Plan Implementation Cost: \$60,000	Ongoing Cost: \$0	
2	55		T1228	Develop Groundwater Protection Management Program Implementation Cost: \$32,000	Ongoing Cost: \$5,000	



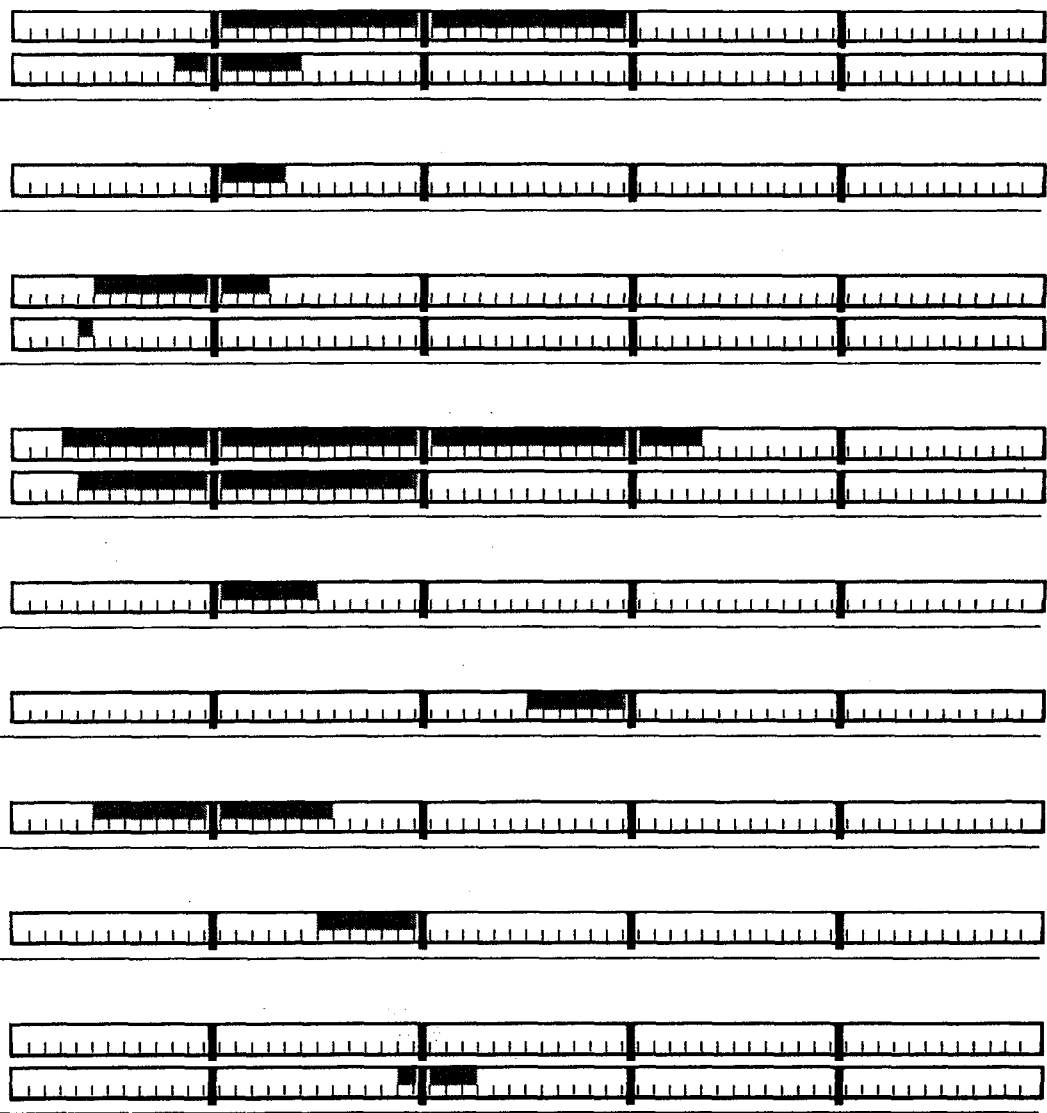
**SLAC/SSRL CORRECTIVE ACTION PLAN:  
MASTER SCHEDULE AND COST SUMMARY FOR ALL TASKS**

CALENDAR 1992 | CALENDAR 1993 | CALENDAR 1994 | CALENDAR 1995 |

FISCAL YEAR 1992					FISCAL YEAR 1993					FISCAL YEAR 1994					FISCAL YEAR 1995					FISCAL YEAR 1996				
O	N	D	J	F	O	N	D	J	F	O	N	D	J	F	O	N	D	J	F	O	N	D	J	F
T	V	C	N	B	T	V	C	N	B	T	V	C	N	B	T	V	C	N	B	T	V	C	N	B

>> SORTED BY CAMP PRIORITY SYSTEM ORDER <<

DOE Priority	Camp Priority	Concern Finding	Task ID	Description	Implementation Cost	Ongoing Cost
2	55	SW/CF-3		The SPCC Plan does not incorporate all of the information as required in 40 CFR 112.		
2	55		T1109	Characterize Potential Storm Drain Releases Implementation Cost: \$55,000		Ongoing Cost: \$20,000
2	55		T1348	Revise Spill Preven. Counter. & Control Plan Implementation Cost: \$40,000		Ongoing Cost: \$10,000
2	54	QV.1-2		Stanford Linear Accelerator Center activities and equipment that are important to quality have not been identified or defined to enable application of appropriate quality control measures as required by DOE 5700.6B.		
2	54		T1238	Identify Activities for QA Importance Implementation Cost: \$15,000		Ongoing Cost: \$0
2	53	WS.1-1		Internal safety and health compliance oversight appraisals, conducted by technically competent personnel, independent of the operation under scrutiny, are not performed as defined by DOE 5480.1B and required by DOE 5482.1B and DOE 5480.10.		
1	53		T1293	Develop Comprehensive Audit Plan for ESAH Act. Implementation Cost: \$20,000		Ongoing Cost: \$0
2	53		T1437	Increase OSHA Compliance Staffing Implementation Cost: \$48,000		Ongoing Cost: \$72,000
2	53	EP.1-2		Stanford Linear Accelerator Center has not established and maintained an emergency management program that meets the requirements of DOE 5500.3A.		
2	53		T1373	Develop Emergency Management Program Implementation Cost: \$189,000		Ongoing Cost: \$0
1	53		T1378	Conduct Hazards Assessment Implementation Cost: \$400,000		Ongoing Cost: \$0
2	53	A/CF-3		An asbestos abatement project conducted during the Tiger Team Assessment did not meet the requirements of BAAQMD, Regulation 11, Rule 2 and 40 CFR 61 145-146.		
2	53		T1355	Develop Asbestos Management Program Implementation Cost: \$10,000		Ongoing Cost: \$3,000
2	52	PT.1-1		Stanford Linear Accelerator Center has not developed a program or procedures to ensure shipments comply with DOE 1540.1, DOE 1540.2 and DOE 5480.3, and applicable DOT and EPA regulations.		
2	52		T1239	Develop Guidance on Hazardous Transportation Implementation Cost: \$15,000		Ongoing Cost: \$0
2	50	RP.5-3		The Personnel Dosimetry Program has not been accredited by the DOE Laboratory Accreditation Program for Personnel Dosimetry as required by DOE 5480.15 and is not in compliance with DOE 5480.11, Section 9.g.1.		
2	50		T1243	Secure DOELAP Accreditation Implementation Cost: \$47,000		Ongoing Cost: \$0
1	50	GW/CF-3		SLAC does not have a comprehensive formal program to inventory, maintain, and properly abandon groundwater monitoring wells, in a manner that protects groundwater quality in accordance with California Department of Water Resources Bulletin 74-90 and the Groundwater Monitoring Technical Enforcement Guidance Document.		
1	50		T1228	Develop Monitoring Well & Soil Boring Program Implementation Cost: \$30,000		Ongoing Cost: \$0
3	48.6	PT.6-2		There are no safety and accountability procedures to ensure that all radioisotopes brought onsite are inventoried.		
3	48.6		T1323	Develop Procedure for Rad. Sources Brought Onsite Implementation Cost: \$10,000		Ongoing Cost: \$0
3	48.6		T1325	Provide Training for Radioactive Source Handling Implementation Cost: \$9,000		Ongoing Cost: \$0



**SLAC/SSRL CORRECTIVE ACTION PLAN:  
MASTER SCHEDULE AND COST SUMMARY FOR ALL TASKS**

CALENDAR 1992					CALENDAR 1993					CALENDAR 1994					CALENDAR 1995					CALENDAR 1996																								
FISCAL YEAR 1992					FISCAL YEAR 1993					FISCAL YEAR 1994					FISCAL YEAR 1995					FISCAL YEAR 1996																								
O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S									
C	O	E	A	E	A	E	A	E	A	E	A	C	O	E	A	E	A	E	A	C	O	E	A	E	A	C	O	E	A	E	A	E	A	C	O	E	A	E	A					
T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	Y	N	L	G	P	T	V	C	N	B	R	Y	N	L	G	P	T	V	C	N	B	R	Y	N	L	G	P

>> SORTED BY CAMP PRIORITY SYSTEM ORDER <<

DOE Priority	Camp Priority	Concern Finding	Task ID	Description	Implementation Cost	Ongoing Cost	1992	1993	1994	1995	1996
2	48.6	QV.4-2		Several secondary standards used for calibration are not traceable to nationally recognized standards and/or are not maintained in a current state of calibration themselves as required by DOE 5700.6B.							
2	48.6		T1328	Develop Calibration Program Inclusion Criteria Implementation Cost: \$12,000	Ongoing Cost: \$0						
2	48.6		T1331	Survey Devices to be Calibrated Implementation Cost: \$35,000	Ongoing Cost: \$0						
2	48.6		T1332	Revise Calibration Procedures Implementation Cost: \$50,000	Ongoing Cost: \$0						
2	48.6		T1333	Implement Calibration Program Implementation Cost: \$100,000	Ongoing Cost: \$50,000						
2	48.6	QV.4-1		There is no sitewide standard defining the scope and requirements for calibration of measuring and test equipment, process instrumentation, and radiation monitoring instrumentation as required by DOE 5700.6B.							
2	48.6		T1328	Develop Calibration Program Inclusion Criteria Implementation Cost: \$12,000	Ongoing Cost: \$0						
2	48.6		T1331	Survey Devices to be Calibrated Implementation Cost: \$35,000	Ongoing Cost: \$0						
2	48.6		T1332	Revise Calibration Procedures Implementation Cost: \$50,000	Ongoing Cost: \$0						
2	48.6		T1333	Implement Calibration Program Implementation Cost: \$100,000	Ongoing Cost: \$50,000						
2	48.6	QV.1-3		Working-level personnel have not received training on principles of quality achievement or the requirements of the quality control program as required by DOE 5700.6B.							
2	48.6		T1286	Establish Training Program for QA Activity Implementation Cost: \$35,000	Ongoing Cost: \$25,000						
2	48.6	QV.1-1		The Institutional Quality Assurance plan at Stanford Linear Accelerator Center has not been consistently implemented by all affected departments, does not reflect current organizational structure, and does not comply with DOE 5700.6B.							
2	48.6		T1044	Revise Existing Institutional QA Manual Implementation Cost: \$30,000	Ongoing Cost: \$100,000						
2	47.4	PP.1-3		Stanford Linear Accelerator Center Management does not establish specific goals and objectives for reducing the frequency and severity of occupational accidents, injuries, and illnesses and does not comply with DOE 5480.10, DOE 5482.18, and DOE 5480.19.							
2	47.4		T1335	Integrate Personnel Protection Program Implementation Cost: \$110,000	Ongoing Cost: \$40,000						
2	47.4		T1358	Establish Measurable Health and Safety Objectives Implementation Cost: \$10,000	Ongoing Cost: \$0						
2	47.4	PP.1-2		Necessary industrial hygiene information is not readily communicated to Stanford Linear Accelerator Center management, and to all segments of the organization as required by DOE 5480.8 and DOE 5480.10, Section b.1.							
2	47.4		T1016	Formalize Industrial Hygiene RRAs Implementation Cost: \$30,000	Ongoing Cost: \$0						
2	47.4		T1335	Integrate Personnel Protection Program Implementation Cost: \$110,000	Ongoing Cost: \$40,000						
2	47.4		T1414	Increase Industrial Hygiene Staffing Implementation Cost: \$40,000	Ongoing Cost: \$70,000						
3	47.4	PT.2-2		Regulatory compliance training provided by offsite contractors for Stanford Linear Accelerator Center packaging and transportation personnel is not effective.							
2	47.4		T1409	Develop ES&H Training Plan Implementation Cost: \$80,000	Ongoing Cost: \$50,000						

**SLAG/SSRL CORRECTIVE ACTION PLAN:  
MASTER SCHEDULE AND COST SUMMARY FOR ALL TASKS**

CALENDAR 1992												CALENDAR 1993												CALENDAR 1994												CALENDAR 1995												CALENDAR 1996											
FISCAL YEAR 1992												FISCAL YEAR 1993												FISCAL YEAR 1994												FISCAL YEAR 1995												FISCAL YEAR 1996											
O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S
C	O	E	A	E	A	P	A	U	U	L	G	C	O	E	A	E	A	P	A	U	U	L	G	C	O	E	A	E	A	P	A	U	U	L	G	C	O	E	A	E	A	P	A	U	U	L	G	C	O	E	A	E	A	P	A	U	U	L	G
T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P

>> SORTED BY CAMP PRIORITY SYSTEM ORDER <<

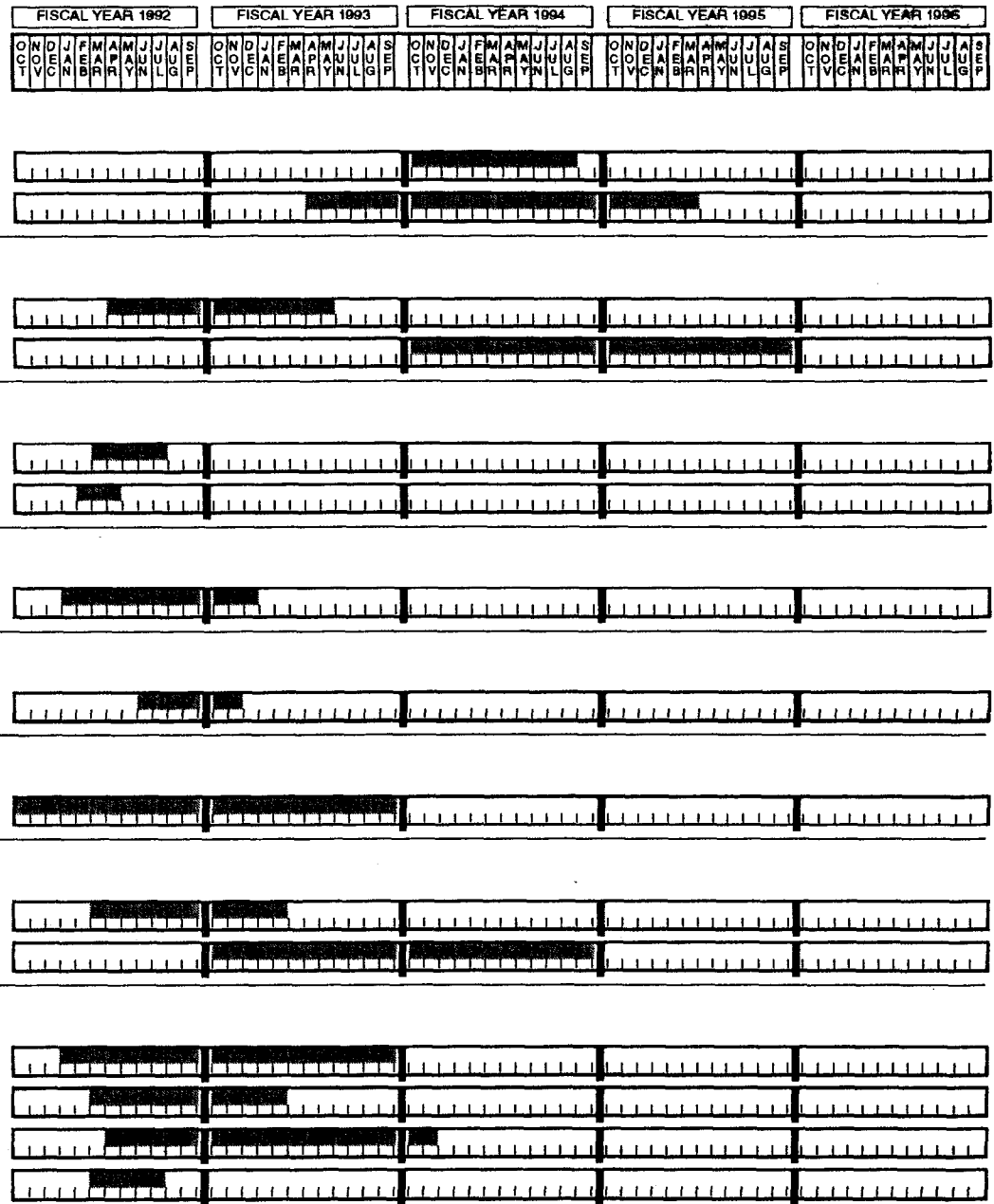
DOE Priority	Camp Priority	Concern Finding	Task ID	Description	Implementation Cost	Ongoing Cost	1992	1993	1994	1995	1996
2	47.4	EP.2-2		Stanford Linear Accelerator Center does not have implementing procedures that contain the detailed actions and specific instructions needed to carry out the Emergency Preparedness Plan as required by DOE 5500.3A.							
2	47.4		T1373	Develop Emergency Management Program	\$189,000	\$0					
2	47.4		T1396	Develop Emergency Plan Implementing Proc.(EPIPe)	\$66,000	\$10,000					
2	46.8	PP.5-1		Although respirators are used, the Stanford Linear Accelerator Center does not have a respiratory protection program that complies with 29 CFR 1910.134 and DOE 5480.4.							
2	46.8		T1191	Develop Respiratory Protection Program	\$25,000	\$5,000					
2	46.8		T1345	Institute Regular IH Monitoring	\$7,000	\$0					
2	46.8		T1414	Increase Industrial Hygiene Staffing	\$40,000	\$70,000					
2	46	OA.5-1		The self-assessment program has not been institutionalized by Stanford Linear Accelerator Center.							
0	46		T1366	Institutionalize the Self-Assessment Effort	\$175,000	\$400,000					
2	45	MS.1-2		The Physician at the Stanford Linear Accelerator Center does not report at a senior level to ensure program effectiveness by having direct access to top management as required by DOE 5480.8.							
2	45		T1042	Change Reporting Relationship of Physician	\$2,000	\$0					
2	45	MS.1-1		The staffing level in the Stanford Linear Accelerator Center Medical Department does not meet current and anticipated needs and does not conform to the guidelines of DOE 5480.8.							
2	45		T1040	Supplement Medical Department Resources	\$65,000	\$60,000					
2	45	SW/CF-2		The potential for releases of non-radiological liquid effluents, including petroleum products or other hazardous chemicals, to the storm drains at SLAC have not been fully characterized.							
2	45		T1109	Characterize Potential Storm Drain Releases	\$55,000	\$20,000					
2	44.5	MA.4-1		Planning, scheduling, and control of maintenance at the Stanford Linear Accelerator Center do not meet the requirements of DOE 4330.4A.							
2	44.5		T1327	Establish Maintenance Management Programs	\$50,000	\$0					
2	44.5	MA.1-1		There are no integrated maintenance procedures or organization governing maintenance activities at the Stanford Linear Accelerator Center that will meet the requirements of DOE 4330.4A.							
2	44.5		T1327	Establish Maintenance Management Programs	\$50,000	\$0					
3	44.5	OA.6-1		The Stanford Linear Accelerator Center has not established a routine job qualification review system.							
3	44.5		T1368	Establish Job Qualifications Review System	\$20,000	\$0					

**SLAC/SSRL CORRECTIVE ACTION PLAN:  
MASTER SCHEDULE AND COST SUMMARY FOR ALL TASKS**

>> SORTED BY CAMP PRIORITY SYSTEM ORDER <<

CALENDAR 1992 | CALENDAR 1993 | CALENDAR 1994 | CALENDAR 1995

DOE Priority	Camp Priority	Concern Finding	Task ID	Description	Implementation Cost	Ongoing Cost
2	44.318	EP-3-1		Stanford Linear Accelerator Center has not established a formal training program for emergency response personnel as required by DOE 5500.3A.		
2	44.318		T1398	Develop Emergency Management Training Program	\$170,000	\$50,000
2	44.318		T1399	Develop Emergency Exercise Program	\$290,000	\$125,000
2	43.75	MA-5-1		The corrective maintenance activities at Stanford Linear Accelerator Center do not support safe and effective operation of equipment and facilities as required by DOE 4330.4A, Section 9.		
2	43.75		T1242	Develop & Implement Maint. Safety Procedure(s)	\$235,000	\$250,000
2	43.75		T1327	Establish Maintenance Management Programs	\$50,000	\$0
2	43	PP-4-1		The Stanford Linear Accelerator Center does not conduct regular industrial hygiene monitoring to demonstrate compliance with mandatory standards as required by DOE 5480.10, DOE 5482.1B, and DOE 5483.1A.		
2	43		T1345	Institute Regular IH Monitoring	\$7,000	\$0
2	43		T1414	Increase Industrial Hygiene Staffing	\$40,000	\$70,000
3	43	PT-2-1		Training requirements for the job functions of packaging and transportation personnel have not been established, and existing training is not documented.		
2	43		T1409	Develop ES&H Training Plan	\$60,000	\$50,000
2	43	WM/CF-4		SLAC does not have a finalized waste minimization plan that includes all the elements required for an effective waste minimization program by EPA, DOE, and the State of California.		
2	43		T1093	Revise Waste Minimization Plan	\$45,000	\$0
2	43	SW/CF-4		SLAC does not have adequate backflow prevention to protect potable water at some locations as required by 29 CFR 1910.141, and does not maintain a comprehensive inventory of backflow prevention devices.		
2	43		T1078	Install Backflow Prev. Devices/Update Inventory	\$78,000	\$5,000
2	42.25	WS-3-4		Stanford Linear Accelerator Center does not have a system to control the procurement, inventory, and use of hazardous chemicals as required by DOE 5480.10.		
2	42.25		T1176	Revise SLAC Hazard Communication Program	\$100,000	\$10,000
2	42.25		T1311	Develop Hazardous Materials Management System	\$190,000	\$40,000
3	42.25	PP-2-2		Stanford Linear Accelerator Center has not effectively closed out identified health and safety deficiencies.		
2	42.25		T1361	Implement a Corrective Action Management System	\$260,000	\$160,000
2	42.25		T1176	Revise SLAC Hazard Communication Program	\$100,000	\$10,000
2	42.25		T1335	Integrate Personnel Protection Program	\$110,000	\$40,000
2	42.25		T1345	Institute Regular IH Monitoring	\$7,000	\$0



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CALENDAR 1992 | CALENDAR 1993 | CALENDAR 1994 | CALENDAR 1995

FISCAL YEAR 1992					FISCAL YEAR 1993					FISCAL YEAR 1994					FISCAL YEAR 1995					FISCAL YEAR 1996																											
O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S
C	O	E	A	E	A	P	A	U	U	L	G	T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P

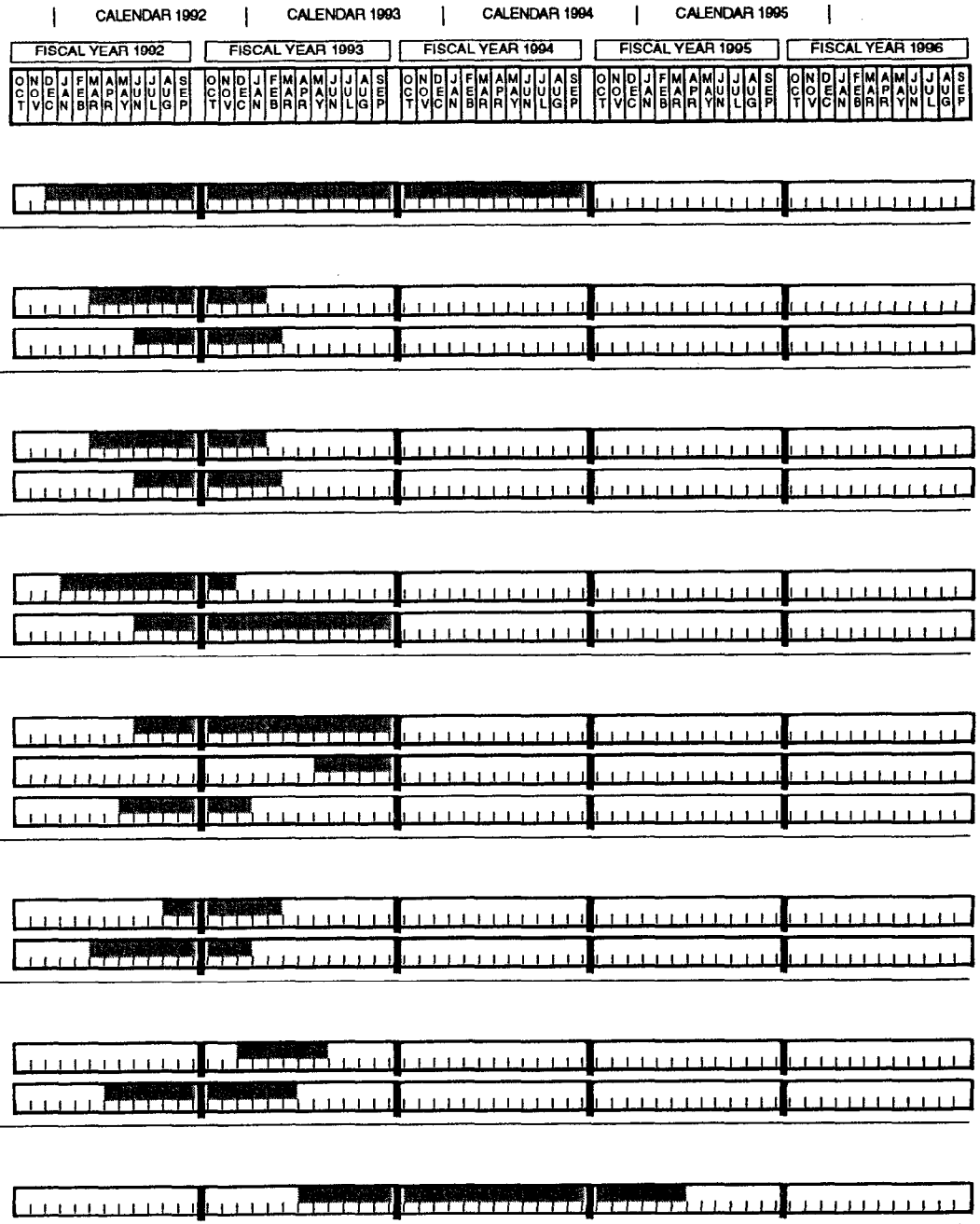
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DOE Priority	Camp Priority	Concern Finding	Task ID	Description	Implementation Cost	Ongoing Cost	1992	1993	1994	1995	1996
2	42.25	EP.2-1		The Stanford Linear Accelerator Center Emergency Preparedness Plan is not based on a hazards assessment and does not accurately describe the provisions for response to emergencies as required by DOE 5500.3A.							
2	42.25		T1373	Develop Emergency Management Program	\$189,000	\$0					
1	42.25		T1376	Conduct Hazards Assessment	\$400,000	\$0					
3	41.5	FR.6-2		Corrective actions resulting from the investigation of some unusual occurrences have not been effective in correcting the root cause of the events.							
3	41.5		T1131	Implement Training in Root Cause Analysis	\$30,000	\$5,000					
2	41.5	FR.2-2		There is no formal mechanism to ensure all facility modifications and experiments receive appropriate safety reviews, as required by DOE Order 5482.1B.							
2	41.5		T1314	Revise Safety Review Policy	\$35,000	\$0					
2	40	MS.3-1		The medical examination and evaluation programs at Stanford Linear Accelerator Center are not conducted as required by DOE 5480.8.							
2	40		T1034	Re-evaluate Medical Examination Program	\$20,000	\$0					
2	40	RP.12-3		Records of the radiation protection program are not maintained in accordance with the requirements of DOE 5480.11, Section 9.m.							
2	40		T1107	Develop Radiation Protection Procedures	\$180,000	\$0					
2	40	RP.10-1		The training provided to operations personnel who perform radiation surveys is not in compliance with DOE 5480.11, Section 9.c.							
2	40		T1275	Revise Radiation Survey Training	\$15,000	\$1,000					
1	40	RP.9-1		Stanford Linear Accelerator Center does not have sufficient air monitoring data to demonstrate compliance with DOE 5480.11, Section 9.g.3a.							
2	40		T1272	Develop Air Monitoring Strategy	\$10,000	\$0					
2	40	RP.3-5		Radiological protection controls for x-ray generating devices are not in full compliance with DOE 5480.11, the mandatory standards in DOE 5480.4, Attachment 1, Item 2.d.1, and DOE 5482.1B, Section 9.d.							
2	40		T1107	Develop Radiation Protection Procedures	\$180,000	\$0					
2	40	RP.3-4		An accurate inventory of radioactive sources is not maintained and is not consistent with all applicable elements of ANSI N542.							
2	40		T1321	Develop Radioactive Source Inventory Program	\$15,000	\$0					
2	40	RP.3-3		Posting of radiological controlled areas and labeling of radioactive material are not consistent with the requirements of DOE 5480.11, Section 9.k.							
2	40		T1100	Restrict Access to Klystrons	\$10,000	\$0					
2	40		T1107	Develop Radiation Protection Procedures	\$180,000	\$0					

**SLAC/SSRL CORRECTIVE ACTION PLAN:  
MASTER SCHEDULE AND COST SUMMARY FOR ALL TASKS**

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DOE Priority	Camp Priority	Concern Finding	Task ID	Description	Implementation Cost	Ongoing Cost
2	40	RP-3-2		Radiation protection procedures are incomplete and inconsistent with the requirements of DOE 5480.11.		
2	40		T1107	Develop Radiation Protection Procedures	\$160,000	\$0
2	40	NEPA/CF-3		Actions are taken at SLAC and SSRL without NEPA review early in the planning phase and before decisions are made. In some cases, the level of NEPA documentation is not appropriate for the proposed action, contrary to SAN MD No. 5440.1C, SEN-15-90, and the Interim Procedural Guidance for SEN-15-90.		
2	40		T1350	Develop Procedures for NEPA Compliance Review	\$75,000	\$10,000
2	40		T1351	Train Staff for NEPA Compliance	\$80,000	\$10,000
2	40	NEPA/CF-1		SLAC and SSRL have not established and implemented written procedures to integrate the NEPA process into the review of planning documents, budgetary materials, and other project proposals as required by SAN MD No. 5440.1C, SEN-15-90, DOE 5440.1D, and the Interim Procedural Guidance for Implementation of SEN-15-90.		
2	40		T1350	Develop Procedures for NEPA Compliance Review	\$75,000	\$10,000
2	40		T1351	Train Staff for NEPA Compliance	\$80,000	\$10,000
2	40	QA/CF-2		SLAC lacks a formal QA program for environmental activities that has been approved by the DOE Field Office, San Francisco DOE (SF), as required by DOE 5400.1 and DOE 5700.6B.		
2	40		T1044	Revise Existing Institutional QA Manual	\$30,000	\$100,000
2	40		T1122	Develop Integrated Environmental Monitoring Plan	\$60,000	\$0
2	40	SW/CF-6		SLAC does not have a fully developed program for monitoring and controlling batch discharges of liquid radiological effluents to ensure that all releases meet the requirements of DOE Orders.		
2	40		T1122	Develop Integrated Environmental Monitoring Plan	\$60,000	\$0
2	40		T1341	Liquid Radiological Effluent Monitoring Program	\$20,000	\$0
2	40		T1441	Modify LINAC & SLC Sump Modification	\$180,000	\$0
3	39	OA.1-2		Functions and responsibilities of Environmental Safety and Health Division are not understood across the organization.		
2	39		T1223	Clarify Inter-relationships of RRA's	\$10,000	\$0
2	39		T1385	Establish Divisional & Departmental ES&H RRA's	\$100,000	\$0
2	39	GW/CF-2		The geology and hydrogeology at the SLAC site has not been completely characterized to define aquifer relationships, subsurface stratigraphy, extent of contamination, background conditions, and local flow paths and velocities, in accordance with the DOE, RCRA, and CERCLA guidance and regulations.		
2	39		T1227	Develop Site Groundwater Characterization Plan	\$50,000	\$0
2	39		T1228	Develop Groundwater Protection Management Program	\$32,000	\$5,000
2	38	EP.4-1		Stanford Linear Accelerator Center does not have a program of drills and exercises as required by DOE 5500.1B and DOE 5500.3A.		
2	38		T1399	Develop Emergency Exercise Program	\$290,000	\$125,000



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FISCAL YEAR 1992					FISCAL YEAR 1993					FISCAL YEAR 1994					FISCAL YEAR 1995					FISCAL YEAR 1996																																				
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C	T	V	C	N	E	A	B	R	R	Y	N	L	G	P	C	T	V	C	N	E	A	B	R	Y	N	L	G	P	C	T	V	C	N	E	A	B	R	Y	N	L	G	P	C	T	V	C	N	E	A	B	R	Y	N	L	G	P

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DOE Priority	Camp Priority	Concern Finding	Task ID	Description	Implementation Cost	Ongoing Cost	1992	1993	1994	1995	1996
2	36	FP.3-1		Stanford Linear Accelerator Center has not reviewed the potential of toxic and hazardous exposure to the public from runoff of fire-fighting water as required by DOE 5480.7.							
2	36		T1235	Initiate Fire Loss Surveys Implementation Cost: \$12,000 Ongoing Cost: \$8,000							
2	36	MA.6-1		Preventive maintenance is not conducted at the Stanford Linear Accelerator Center in the manner required by DOE 4330.4A.							
2	36		T1327	Establish Maintenance Management Programs Implementation Cost: \$50,000 Ongoing Cost: \$0							
3	36	OP.1-1		Qualification requirements and documented training programs are not in place for all operations positions.							
3	36		T1292	Identify & Develop Qualification Req'ts & Training Implementation Cost: \$440,000 Ongoing Cost: \$0							
2	36	QV.3-1		The Stanford Linear Accelerator Center has not ensured that procured materials are properly inspected on receipt for conformance to design requirements as required by DOE 5700.6B.							
2	36		T1045	Develop Procedures for Insp. of Received Materials Implementation Cost: \$10,000 Ongoing Cost: \$0							
3	36	OA.8-1		An effective fitness for duty program has not been implemented.							
3	36		T1291	Fitness for Duty Program Implementation Cost: \$25,000 Ongoing Cost: \$0							
2	35.308	EP.1-4		A Stanford Linear Accelerator Center assessment of all aspects of the emergency management program has not been conducted annually as required by DOE 5500.3A.							
2	35.308		T1378	Develop Emergency Readiness Assurance Plan Implementation Cost: \$55,000 Ongoing Cost: \$20,000							
2	35	RP.13-4		The scope of the Health Physics Technician Training Program does not include all of the elements required by DOE 5480.11, Section 9.o.3.							
2	35		T1124	Develop Health Physics Technician Training Plan Implementation Cost: \$82,000 Ongoing Cost: \$0							
2	35	RP.12-2		Records of previous occupational exposure are not requested as required by DOE 5480.11, Section 9.m.2.							
2	35		T1322	Obtain Records of Previous Radiation Exposure Implementation Cost: \$30,000 Ongoing Cost: \$10,000							
4	35	QV.4-3		As-found and as-left data are not recorded and maintained for equipment that is calibrated.							
2	35		T1332	Revise Calibration Procedures Implementation Cost: \$50,000 Ongoing Cost: \$0							
2	35		T1333	Implement Calibration Program Implementation Cost: \$100,000 Ongoing Cost: \$50,000							
2	35	IWS/CF-3		SLAC has not prepared a comprehensive preliminary assessment of the site to identify all potential inactive waste sites and to rank the SLAC facility using the new Hazard Ranking System model, in accordance with the provisions of DOE 5400.4, CERCLA, and the NCP.							
2	35		T1192	Develop Schedule for Preliminary Assessment of IWS Implementation Cost: \$150,000 Ongoing Cost: \$0							



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FISCAL YEAR 1992					FISCAL YEAR 1993					FISCAL YEAR 1994					FISCAL YEAR 1995					FISCAL YEAR 1996																											
O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S
C	E	A	E	A	P	A	U	U	L	G	P	C	E	A	E	A	P	A	U	U	L	G	P	C	E	A	E	A	P	A	U	U	L	G	P	C	E	A	E	A	P	A	U	U	L	G	P
T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	Y	N	L	G	P	T	V	C	N	B	R	Y	N	L	G	P	T	V	C	N	B	R	Y	N	L	G	P			

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DOE Priority	Camp Priority	Concern Finding	Task ID	Description	Implementation Cost	Ongoing Cost	1992	1993	1994	1995	1996
2	35	QA/CF-4		SLAC's internal auditing and corrective action program does not address all aspects of environmental performance and is not sufficient to assure the quality of all environmental activities, as required by DOE 5700.6B and NQA-1.							
1	35		T1293	Develop Comprehensive Audit Plan for ES&H Act. Implementation Cost: \$20,000	Ongoing Cost: \$0						
2	35		T1294	Define Audit Roles & Responsibilities Implementation Cost: \$5,000	Ongoing Cost: \$0						
2	35		T1295	Develop a Detailed Procedure for Audits Implementation Cost: \$7,000	Ongoing Cost: \$0						
2	33	EA.1-1		No disciplined system is in place to ensure that all experimenters are given health and safety training and indoctrination as required by DOE 5480.11, Section 9.0, and DOE 5480.10, Section 9.b.5.							
2	33		T1316	Provide Experimenter Safety Training Implementation Cost: \$50,000	Ongoing Cost: \$0						
2	33	PT.3-1		The Quality Assurance audits of packaging and transportation operations have not been performed as required by DOE 5480.3 to meet the guidelines of DOE 5700.6B.							
1	33		T1293	Develop Comprehensive Audit Plan for ES&H Act. Implementation Cost: \$20,000	Ongoing Cost: \$0						
2	33		T1294	Define Audit Roles & Responsibilities Implementation Cost: \$5,000	Ongoing Cost: \$0						
2	33		T1295	Develop a Detailed Procedure for Audits Implementation Cost: \$7,000	Ongoing Cost: \$0						
2	33	OP.3-2		Operating Procedures at the Stanford Linear Accelerator Center do not conform to a standard format, approval system, revision system, temporary change system, or review frequency as required by DOE 5480.19.							
2	33		T1205	Update "Guidelines for Operations" Procedures Implementation Cost: \$30,000	Ongoing Cost: \$140,000						
3	33	OA.7-2		The Stanford Linear Accelerator Center does not have a centralized document control system.							
3	33		T1203	Develop Centralized Document Control System Implementation Cost: \$40,000	Ongoing Cost: \$0						
2	33	OA.1-1		Position authorities are not documented for Stanford Linear Accelerator Center as required by DOE 5480.19, Chapter 1.							
2	33		T1223	Clarify Inter-relationships of RRA's Implementation Cost: \$10,000	Ongoing Cost: \$0						
2	33		T1224	Establish ES&H RRA's for Job Classes Implementation Cost: \$100,000	Ongoing Cost: \$0						
2	33		T1385	Establish Divisional & Departmental ES&H RRA's Implementation Cost: \$100,000	Ongoing Cost: \$0						
2	31.8	OP.3-3		Posted operator aids throughout the Stanford Linear Accelerator Center are not standardized, approved, dated, or logged as required by DOE 5480.19.							
2	31.8		T1268	Develop Uniform Procedures for Operator Aids Implementation Cost: \$10,000	Ongoing Cost: \$0						
2	31.5	AX.5-1		The Plating Shop ventilation system does not minimize the potential to release hazardous material to clean areas or the environment contrary to the requirements in DOE 6430.1A.							
2	31.5		T1310	Review & Improve Plating Shop Ventilation Implementation Cost: \$50,000	Ongoing Cost: \$0						

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				O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S												
3	31.5	OP.8-1	No coding convention is employed in Stanford Linear Accelerator Center Control Areas to indicate the meaning of alarm signals, light colors, or whether lights are steady or flashing.																																																												
3	31.5		T1148	Revise Procedures for Color/Unit Conventions																																																											
				Implementation Cost:	\$50,000				Ongoing Cost:				\$0																																																		
3	31.5		T1153	Implement Supplementary Operator Training																																																											
				Implementation Cost:	\$2,000				Ongoing Cost:				\$0																																																		
3	31.5		T1155	Review Control/Alarms Displays																																																											
				Implementation Cost:	\$28,000				Ongoing Cost:				\$0																																																		
3	31.5	OP.3-1	Operational Safety Requirements are not employed along with the associated surveillance and maintenance requirements at the Stanford Linear Accelerator Center.																																																												
3	31.5		T1359	Formalize Safe Operating Parameters																																																											
				Implementation Cost:	\$25,000				Ongoing Cost:				\$0																																																		
2	31	EP.6-2	Stanford Linear Accelerator Center has not established a method for prompt initial notification of emergency response personnel and for initial and followup notifications to offsite organizations as required by DOE 5500.3A.																																																												
2	31		T1373	Develop Emergency Management Program																																																											
				Implementation Cost:	\$189,000				Ongoing Cost:				\$0																																																		
2	30	FP.2-1	The Stanford Linear Acceleration Center does not ensure its facilities comply with the provisions of NFPA 101 as required by DOE 5480.2.																																																												
2	30		T1235	Initiate Fire Loss Surveys																																																											
				Implementation Cost:	\$12,000				Ongoing Cost:				\$8,000																																																		
2	30		T1434	Conduct Baseline Life Safety Survey																																																											
				Implementation Cost:	\$40,000				Ongoing Cost:				\$30,000																																																		
4	30	WS.2-3	The Stanford Linear Accelerator Center safety and health program has not been effective in controlling the lost workday rate.																																																												
4	30		T1383	Analyze SLAC LWD Experience																																																											
				Implementation Cost:	\$3,000				Ongoing Cost:				\$0																																																		
2	30	RP.13-2	Documentation of Health Physics Technician Training and Radiation Worker Training is not maintained as required by DOE 5480.11, Section 9.m.5.																																																												
2	30		T1030	Formalize Health Physics Tech. Train. Documentation																																																											
				Implementation Cost:	\$15,000				Ongoing Cost:				\$10,000																																																		
2	30		T1032	Formalize Radiation Worker Training Documentation																																																											
				Implementation Cost:	\$15,000				Ongoing Cost:				\$10,000																																																		
2	30	RP.12-1	Radiation exposures to visitors are not reported as required by DOE 5484.1, Change 6, Chapter IV, Section d.1.																																																												
2	30		T1183	Clarify Requirements for Providing Dosimetry Info.																																																											
				Implementation Cost:	\$2,000				Ongoing Cost:				\$0																																																		
2	30	RP.11-1	The Stanford Linear Accelerator Center As Low As Reasonably Achievable ALARA Program does not comply with DOE 5480.11, Sections 9.a. and 9.m.1.																																																												
2	30		T1052	Revise the ALARA Program																																																											
				Implementation Cost:	\$35,000				Ongoing Cost:				\$0																																																		
2	30		T1273	Develop Policy/Procedures for Pocket Dosimeters																																																											
				Implementation Cost:	\$10,000				Ongoing Cost:				\$0																																																		
2	30	RP.5-4	The unsupervised use and unrecorded results of direct-reading pocket dosimeters negate their value and is contrary to the As Low As Reasonably Achievable ALARA policy of DOE 5480.11, Section 9.a.																																																												
2	30		T1273	Develop Policy/Procedures for Pocket Dosimeters																																																											
				Implementation Cost:	\$10,000				Ongoing Cost:				\$0																																																		

**SLAC/SSRL CORRECTIVE ACTION PLAN:  
MASTER SCHEDULE AND COST SUMMARY FOR ALL TASKS**

CALENDAR 1992 | CALENDAR 1993 | CALENDAR 1994 | CALENDAR 1995 |

FISCAL YEAR 1992					FISCAL YEAR 1993					FISCAL YEAR 1994					FISCAL YEAR 1995					FISCAL YEAR 1996																																				
O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S									
C	O	E	A	E	A	P	A	U	U	L	P	T	V	C	N	O	E	A	E	A	P	A	U	U	L	P	T	V	C	N	O	E	A	E	A	P	A	U	U	L	P	T	V	C	N	O	E	A	E	A	P	A	U	U	L	P

>> SORTED BY CAMP PRIORITY SYSTEM ORDER <<

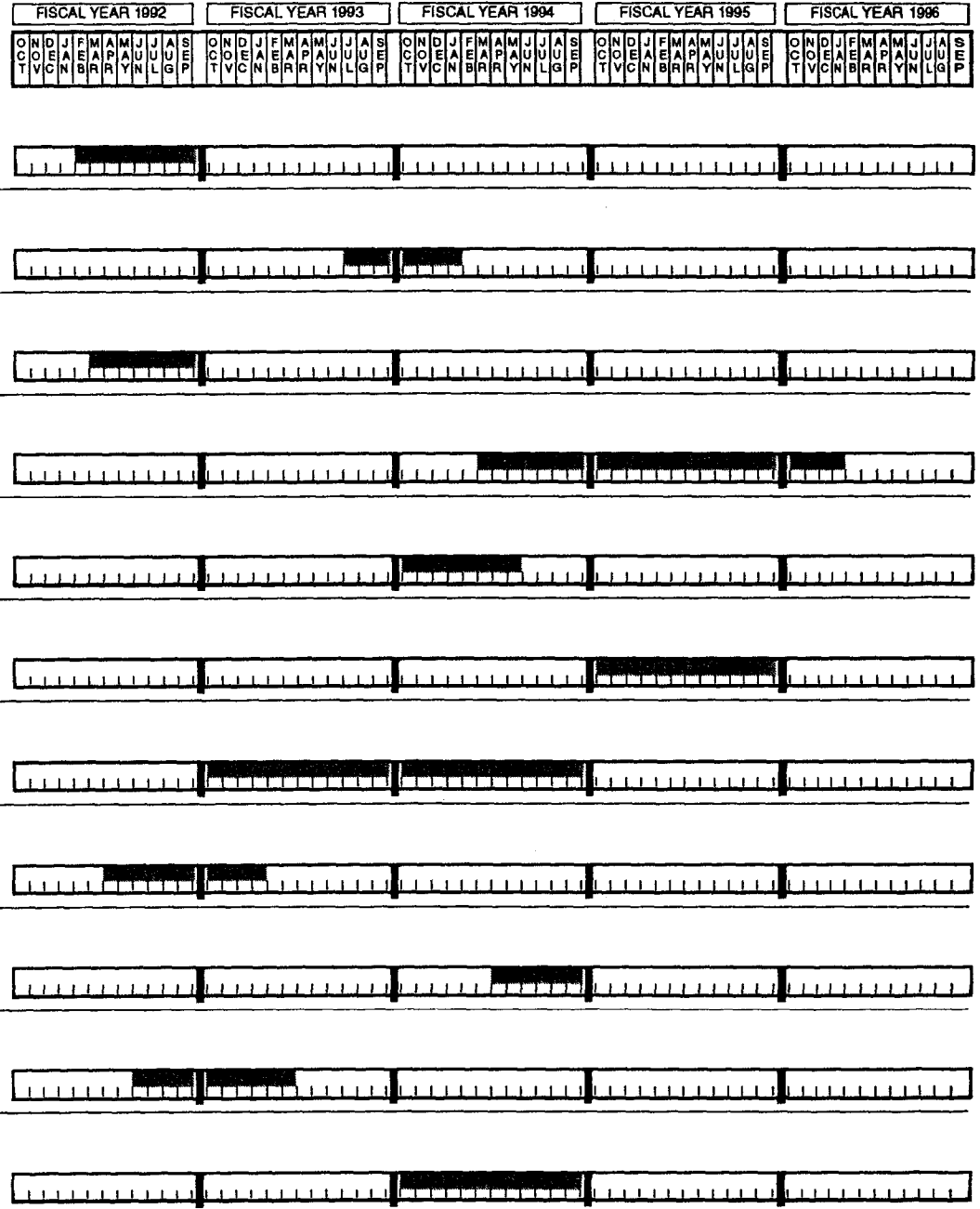
DOE Priority	Camp Priority	Concern Finding	Task ID	Description	Implementation Cost	Ongoing Cost	1992	1993	1994	1995	1996
2	30	RP-2-1		The frequency and scope of the internal audits of the Radiation Protection Program do not comply with DOE 5480.11, Section 9.1, and DOE 5482.1B, Section 9.d.							
2	30		T1220	Establish Radiation Protection Audit Program Implementation Cost: \$23,000 Ongoing Cost: \$20,000							
2	30	PT-1-3		Hazardous waste data for the DOE Shipment Mobility/Accountability Concept system is not reported at the frequency required by DOE 1540.1, Chapter I, Section 10.b.							
2	30		T1008	Develop Procedure for SMAC Reporting Implementation Cost: \$1,000 Ongoing Cost: \$0							
2	30	EP-6-1		Stanford Linear Accelerator Center has no procedures for assessing the consequences of an emergency involving hazardous materials or procedures for determining an emergency class based on emergency action levels as required by DOE 5500.3A.							
2	30		T1373	Develop Emergency Management Program Implementation Cost: \$189,000 Ongoing Cost: \$0							
2	30	NEPA/CF-6		SLAC/SSRL and SSO do not have an integrated system for tracking the status of NEPA review and documentation for all actions, and there are no formal procedures for record keeping and tracking of the NEPA process as required by SAN MD No. 5440.1C and DOE 5440.1D.							
2	30		T1352	Develop NEPA Compliance Tracking System Implementation Cost: \$10,000 Ongoing Cost: \$5,000							
2	30	NEPA/CF-5		Neither SLAC nor SSRL submit the required NEPA documentation to SSO (i.e., a monthly list of actions that qualify as categorical exclusions not needing documentation, descriptions and recommendations of the level of NEPA documentation for all other actions, and submittal of draft NEPA documents) as required by SAN MD No. 5440.1C, SEN-15-90, the Interim Procedural Guidance for							
2	30		T1350	Develop Procedures for NEPA Compliance Review Implementation Cost: \$75,000 Ongoing Cost: \$10,000							
2	30		T1351	Train Staff for NEPA Compliance Implementation Cost: \$80,000 Ongoing Cost: \$10,000							
2	30	NEPA/CF-2		SLAC and SSRL do not uniformly apply NEPA early in the planning process for proposed DOE actions as required by SAN MD No. 5440.1C, 40 CFR 1501.2, DOE NEPA Guidelines, SEN-15-90, DOE 5440.1D, DOE 4700.1, DOE 5700.7B, and DOE Notice 5100.3. Project planning documents and internal hazard review documents for most DOE-sponsored research (field work proposals and							
2	30		T1350	Develop Procedures for NEPA Compliance Review Implementation Cost: \$75,000 Ongoing Cost: \$10,000							
2	30		T1351	Train Staff for NEPA Compliance Implementation Cost: \$80,000 Ongoing Cost: \$10,000							
2	30	IWS/CF-4		The SLAC Site Development Plan does not include maps or descriptions of known and suspected contaminated areas and does not address the impact of siting facilities in these areas as required by DOE 4320.1B.							
2	30		T1387	Generate Maps for Contaminated Areas Implementation Cost: \$3,000 Ongoing Cost: \$2,000							
1	30	IWS/CF-2		The site has conducted, and is in the process of conducting remedial actions, but does not have a formalized written Community Relations Plan, and has not established an administrative Record available for public inspection.							
1	30		T1209	Develop Community Relations Plan Implementation Cost: \$15,000 Ongoing Cost: \$15,000							
2	30	RAD/CF-2		SLAC has not developed and documented a Decommissioning Program and Decommissioning Project Plans to provide for the surveillance, maintenance, and decommissioning of facilities containing radioactive materials, as required by DOE 5820.2A, Chapter V, Section 3, and has not documented such activities in the Waste Management Plan as required in DOE 5820.2A, Chapter VI							
2	30		T1281	Develop a Decommissioning Program Implementation Cost: \$65,000 Ongoing Cost: \$0							
2	30	RAD/CF-1		DOE Field Office, San Francisco DOE-(SF) has not developed an ALARA program and has not required SLAC to implement the ALARA process in environmental programs as required by DOE 5400.5, Chapter II, Section 2.							
2	30		T1426	Prepare & Implement an ALARA Program at DOE-SF Implementation Cost: \$0 Ongoing Cost: \$0							
2	30		T1427	Provide Oversight to the SLAC ALARA Program Implementation Cost: \$0 Ongoing Cost: \$0							

**SLAC/SSRL CORRECTIVE ACTION PLAN:  
MASTER SCHEDULE AND COST SUMMARY FOR ALL TASKS**

CALENDAR 1992 | CALENDAR 1993 | CALENDAR 1994 | CALENDAR 1995 |

>> SORTED BY CAMP PRIORITY SYSTEM ORDER <<

DOE Priority	Camp Priority	Concern Finding	Task ID	Description	Implementation Cost	Ongoing Cost
2	30	QA/CF-5		SLAC's oversight of vendors performing environmental services is deficient with respect to surveillance, written procedures, QA program review, data validation, and audits as required by DOE 5700.6B.		
2	30		T1413	Develop Environmental QA/QC Guidelines	\$15,000	\$10,000
2	30	TCM/CF-1		SLAC has not developed or implemented a Pollution Prevention Awareness Program Plan in accordance with DOE 5400.1, Chapter III.		
2	30		T1089	Finalize Pollution Prevention Awareness Plan	\$45,000	\$30,000
2	30	SW/CF-5		SLAC has never submitted ODIS Reports for effluent and onsite liquid and air radioactive waste discharges as required by DOE 5400.1, Chapter II, Section 5.a.		
2	30		T1206	Prepare ODIS Reports	\$15,000	\$15,000
3	30	A/CF-2		SLAC does not have a documented meteorological monitoring program. Meteorological data currently used by SLAC in the AIRDOS modeling are not representative of local conditions.		
3	30		T1105	Develop Meteorological Monitoring Program	\$140,000	\$10,000
2	30	A/CF-1		SLAC does not have an ambient air quality surveillance program. The baseline of air quality in the vicinity of SLAC has not been formally established, and the potential impacts of the SLAC emissions on ambient air quality have not been quantified, as required by DOE 5400.1, Chapter IV, Section 5.b.11.		
2	30		T1254	Develop Air Quality Surveillance Program	\$35,000	\$15,000
3	29.875	FR.4-1		Periodic, comprehensive operating reviews of the facility are not performed.		
3	29.875		T1336	Perform Regular Operating Reviews	\$25,000	\$70,000
4	28	FR.6-3		The Stanford Linear Accelerator Center has not established a program for using industry experience to improve facility safety.		
4	28		T1129	Develop Operating Experience Information System	\$10,000	\$5,000
2	28	PT.3-2		There is no documented program of packaging vendor qualification and no verification that packaging meet DOT specifications as required by DOE 5480.3, Sections 9.a and b.		
2	28		T1005	Write Procedure for Qualifying Vendors	\$5,000	\$0
3	28	PT.1-2		Stanford Linear Accelerator Center has no transportation safety manual for onsite transfers.		
2	28		T1239	Develop Guidance on Hazardous Transportation	\$15,000	\$0
2	28	EP.5-1		The Stanford Linear Accelerator Center Emergency Operations Center does not comply with the requirements of DOE 5500.3A.		
2	28		T1402	Upgrade Emergency Operations Center	\$40,000	\$0
2	28	QV.2-1		The Stanford Linear Accelerator Center's procedures for procurement do not define requirements or give guidance to requestors with respect to quality assurance program controls, codes and standards, or technical requirements as required by DOE 5700.6B.		
2	28		T1007	Develop/Implement Procedure for Purchasing QA	\$20,000	\$0



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T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P

>> SORTED BY CAMP PRIORITY SYSTEM ORDER <<

DOE Priority	Camp Priority	Concern Finding	Task ID	Description	Implementation Cost	Ongoing Cost	Cost	Start	End
2	27	EP-6-3		Stanford Linear Accelerator Center has not established an emergency public information program consistent with the requirements of DOE 5500.3A and 5500.4.					
2	27		T1373	Develop Emergency Management Program Implementation Cost: \$189,000 Ongoing Cost: \$0	\$189,000	\$0			
2	26.8	FR.2-1		Stanford Linear Accelerator Center's safety review process does not include all elements required by DOE 5482.1B.					
2	26.8		T1314	Revise Safety Review Policy Implementation Cost: \$35,000 Ongoing Cost: \$0	\$35,000	\$0			
2	26.2	FR.6-1		Several corrective actions resulting from the investigation of unusual occurrences have not been implemented in a timely manner as required by DOE 5000.3A.					
2	26.2		T1132	Close Out Occurrence Reports Cited in FR.6-1 Implementation Cost: \$2,000 Ongoing Cost: \$0	\$2,000	\$0			
2	26.2		T1133	Improve Timeliness of Filing Final REP.DOE 5000.3A Implementation Cost: \$10,000 Ongoing Cost: \$0	\$10,000	\$0			
2	26.2	FR.5-1		A triennial appraisal to assess the effectiveness of the Stanford Linear Accelerator Center safety review system has not been performed although required by DOE 5482.1B.					
2	26.2		T1314	Revise Safety Review Policy Implementation Cost: \$35,000 Ongoing Cost: \$0	\$35,000	\$0			
2	26.2		T1337	Perform Triennial Review System Appraisals Implementation Cost: \$75,000 Ongoing Cost: \$0	\$75,000	\$0			
2	25	FP.7-1		Maintenance, testing, and management of impairments to the Fire Protection Systems do not comply with DOE 5480.7.					
2	25		T1184	Develop Fire Protection Manual Implementation Cost: \$80,000 Ongoing Cost: \$50,000	\$80,000	\$50,000			
2	25		T1235	Initiate Fire Loss Surveys Implementation Cost: \$12,000 Ongoing Cost: \$8,000	\$12,000	\$8,000			
2	25	FP.5-1		The lack of automatic sprinkler protection in the Klystron Gallery makes for a loss potential exceeding the limits expressed in DOE 5480.7.					
2	25		T1019	Request Klystron Gallery Fire Protection Exemption Implementation Cost: \$174,500 Ongoing Cost: \$0	\$174,500	\$0			
2	25	AX.6-1		Testing of emergency diesel generators at the Stanford Linear Accelerator Center does not meet the requirements of NFPA 110 to ensure reliability of vital services.					
2	25		T1260	Revise Diesel Generator Test Procedures Implementation Cost: \$10,000 Ongoing Cost: \$0	\$10,000	\$0			
2	25	OP.2-1		Access to Control Rooms at the Stanford Linear Accelerator Center is not effectively limited to persons with official business as required by DOE 5480.18.					
2	25		T1047	Procedures for Limiting Control Room Access Implementation Cost: \$7,000 Ongoing Cost: \$0	\$7,000	\$0			
3	25	OA.2-1		Safety review and oversight functions are not clearly separated from line functions.					
3	25		T1300	Assess & Implement Approp. Indep. Safety Oversight Implementation Cost: \$10,000 Ongoing Cost: \$0	\$10,000	\$0			

**SLAC/SSRL CORRECTIVE ACTION PLAN:  
MASTER SCHEDULE AND COST SUMMARY FOR ALL TASKS**

CALENDAR 1992 | CALENDAR 1993 | CALENDAR 1994 | CALENDAR 1995 |

FISCAL YEAR 1992					FISCAL YEAR 1993					FISCAL YEAR 1994					FISCAL YEAR 1995					FISCAL YEAR 1996																		
O	N	D	J	F	M	A	M	J	J	A	S	E	O	N	D	J	F	M	A	M	J	J	A	S	E	O	N	D	J	F	M	A	M	J	J	A	S	E
C	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P			

>> SORTED BY CAMP PRIORITY SYSTEM ORDER <<

DOE Priority	Camp Priority	Concern Finding	Task ID	Description	Implementation Cost	Ongoing Cost	Summary Cost	1992	1993	1994	1995	1996
3	24	OP.8-2		Appropriate measurement units such as pascals and celsius degrees are not placed on or by many instruments nor are they always used in operations communications.								
3	24		T1148	Revise Procedures for Color/Unit Conventions Implementation Cost: \$50,000	Ongoing Cost: \$0	\$50,000						
3	24		T1153	Implement Supplementary Operator Training Implementation Cost: \$2,000	Ongoing Cost: \$0	\$2,000						
3	24		T1155	Review Control/Alarms Displays Implementation Cost: \$26,000	Ongoing Cost: \$0	\$26,000						
2	21	OP.1-2		Official lists of personnel currently qualified as Engineering Operator In Charge and Operator are not maintained in Control Rooms as required by DOE 5480.18.								
2	21		T1049	Post Qualified Operations Personnel Implementation Cost: \$7,000	Ongoing Cost: \$0	\$7,000						
2	20	FP.1-1		The Stanford Linear Accelerator Center does not have a complete description and published plan to coordinate activities of the three onsite fire protection organizations.								
2	20		T1184	Develop Fire Protection Manual Implementation Cost: \$80,000	Ongoing Cost: \$50,000	\$130,000						
2	20		T1223	Clarify Inter-relationships of RRA's Implementation Cost: \$10,000	Ongoing Cost: \$0	\$10,000						
4	20	AX.1-2		Stanford Linear Accelerator Center has not provided definitions of what constitutes auxiliary systems.								
4	20		T1185	Identify and Review Auxiliary Systems Implementation Cost: \$12,000	Ongoing Cost: \$0	\$12,000						
2	20	MA.7-1		Equipment history and predictive maintenance analysis are not being used to optimize equipment performance as required by DOE 4330.4A.								
2	20		T1327	Establish Maintenance Management Programs Implementation Cost: \$50,000	Ongoing Cost: \$0	\$50,000						
3	20	QV.8-1		A program has not been established to provide training to personnel who perform nondestructive examinations.								
3	20		T1315	Establish Nondestructive Test Training Implementation Cost: \$25,000	Ongoing Cost: \$0	\$25,000						
3	20	IWS/BMPF-1		The methods for tracking the hazardous materials inventory at SLAC do not ensure that all hazardous materials are accounted for and that changes to the inventory are recorded on a regular basis. The inventory information is not maintained in a computerized database program to facilitate inventory management and to ensure regulatory compliance.								
2	20		T1311	Develop Hazardous Materials Management System Implementation Cost: \$190,000	Ongoing Cost: \$40,000	\$230,000						
3	20	TCM/BMPF-4		SLAC does not have a comprehensive, integrated chemical materials management system.								
2	20		T1311	Develop Hazardous Materials Management System Implementation Cost: \$190,000	Ongoing Cost: \$40,000	\$230,000						
3	20	TCM/BMPF-3		SLAC lacks a comprehensive program to manage the storage of chemicals used for cooling tower maintenance.								
2	20		T1246	Provide Safe Storage for Cooling Tower Chemicals Implementation Cost: \$211,000	Ongoing Cost: \$0	\$211,000						
3	20		T1248	Develop Cooling Towers Chemical Storage Procedure Implementation Cost: \$11,000	Ongoing Cost: \$0	\$11,000						

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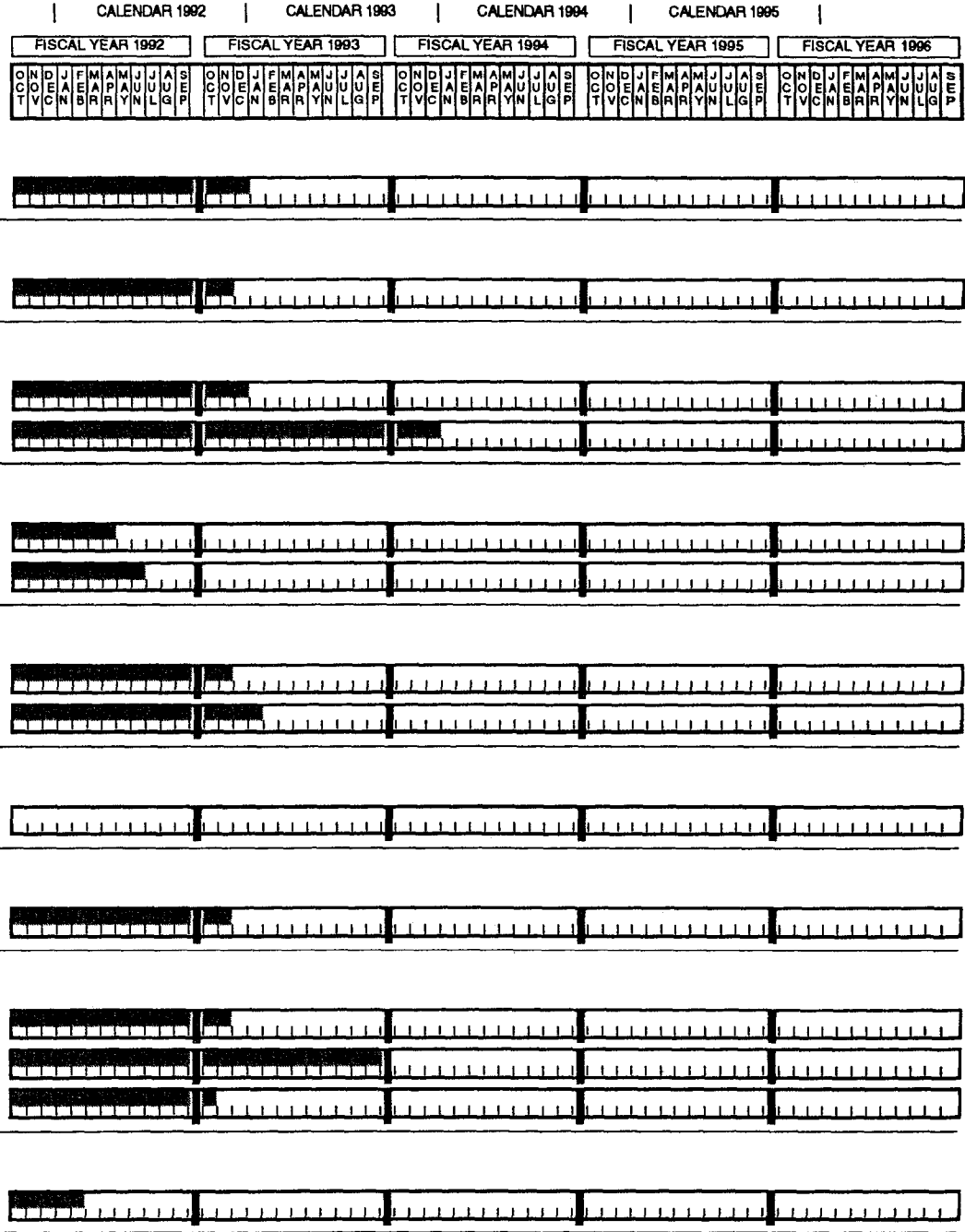
CALENDAR 1992			CALENDAR 1993			CALENDAR 1994			CALENDAR 1995			CALENDAR 1996																																
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>> SORTED BY CAMP PRIORITY SYSTEM ORDER <<																													
DOE Priority	Camp Priority	Concern Finding	Task ID	Description	Implementation Cost	Ongoing Cost	1992	1993	1994	1995	1996																		
3	20	TCW/BMPF-2		SLAC does not provide adequate oversight of landscaping and pest control contractors.																									
3	20		T1435	Revise Contractor Oversight Program Implementation Cost: \$4,000	Ongoing Cost: \$0																								
3	20	TCW/BMPF-1		SLAC has not developed and implemented a comprehensive inspection and hazardous material handling program for equipment stored for reuse, excess, or scrap.																									
3	20		T1016	Develop/Distribute Interim Haz. Mat. Guidance Implementation Cost: \$3,000	Ongoing Cost: \$0																								
3	20		T1056	Revise Business Services Division Procedure 98-4 Implementation Cost: \$5,000	Ongoing Cost: \$0																								
3	20		T1058	Evaluate Adequacy of Training for Ware/Salv Pers. Implementation Cost: \$10,000	Ongoing Cost: \$0																								
3	20	WW/BMPF-1		SLAC does not have formal procedures in place to formally evaluate or audit commercial TSDFs to which SLAC ships its waste.																									
1	20		T1293	Develop Comprehensive Audit Plan for ES&H Act. Implementation Cost: \$20,000	Ongoing Cost: \$0																								
2	20		T1294	Define Audit Roles & Responsibilities Implementation Cost: \$5,000	Ongoing Cost: \$0																								
2	20		T1295	Develop a Detailed Procedure for Audits Implementation Cost: \$7,000	Ongoing Cost: \$0																								
3	20	SW/BMPF-2		There are no written maintenance schedules or record keeping procedures for inspecting and clearing oil/water separators. Additionally, the oil/water separators are not currently designed in a way that maximizes the removal of oil prior to its discharge to the stormwater system.																									
3	20		T1262	Develop Oil/Water Separator Maintenance Procedure Implementation Cost: \$8,000	Ongoing Cost: \$0																								
3	20		T1266	Replace Old With New Oil/Water Separators Implementation Cost: \$173,000	Ongoing Cost: \$0																								
3	20	SW/BMPF-1		SLAC has no formalized program to update facility plans and layout maps to ensure that they reflect current facility conditions.																									
3	20		T1087	Establish Procedure and Update Facility Plans Implementation Cost: \$50,000	Ongoing Cost: \$0																								
2	20	A/BMPF-4		SLAC does not have a comprehensive formal program to manage asbestos and to ensure compliance with federal, state, and local asbestos regulations.																									
2	20		T1355	Develop Asbestos Management Program Implementation Cost: \$10,000	Ongoing Cost: \$3,000																								
3	20	A/BMPF-3		SLAC does not have a complete inventory of air emissions that is updated annually, and not all sources in the existing inventory are adequately quantified.																									
3	20		T1127	Develop Air Emissions Inventory Procedures Implementation Cost: \$35,000	Ongoing Cost: \$25,000																								
3	20	A/BMPF-2		The procedures used in the air effluent control program at the SLAC are not sufficient and are not effectively enforced to ensure that air emissions are minimized.																									
3	20		T1262	Revise Air Effluent Control Program Procedures Implementation Cost: \$18,000	Ongoing Cost: \$0																								
3	20	A/BMPF-1		There are no formal procedures at SLAC to ensure that existing sources of air emissions have the necessary permits and to guarantee that air permits are obtained, where required, for all new projects and/or construction activities.																									
3	20		T1338	Develop Procedures for Air Permits Implementation Cost: \$5,000	Ongoing Cost: \$0																								

**SLAC/SSRL CORRECTIVE ACTION PLAN:  
MASTER SCHEDULE AND COST SUMMARY FOR ALL TASKS**

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DOE Priority	Camp Priority	Concern Finding	Task ID	Description	Implementation Cost	Ongoing Cost
3	9	MF-17		The prime contracts between DOE and the University for SLAC and SSRL do not reflect DOE's current emphasis on the importance of ES&H objectives relative to programmatic objectives.		
3	9		T1424	Reflect ES&HQA in Prime Contract Implementation Cost: \$0 Ongoing Cost: \$0	\$0	\$0
3	9	MF-16		DOE-SF/SSO oversight of ES&H activities at SLAC and SSRL is not sufficient in breadth, frequency, or quality to ensure full implementation of DOE's ES&H initiatives.		
3	9		T1425	Develop Oversight Plan Implementation Cost: \$0 Ongoing Cost: \$0	\$0	\$0
4	9	MF-15		The DOE ER oversight of ES&H activities at SLAC and SSRL is not sufficient in breadth, frequency, or quality to ensure full implementation of DOE's ES&H initiatives.		
4	9		T1364	Develop an ES&H Information Management Sys. Implementation Cost: \$0 Ongoing Cost: \$0	\$0	\$0
4	9		T1431	Institute Self Assessment of Program Offices Implementation Cost: \$0 Ongoing Cost: \$0	\$0	\$0
3	9	MF-14		The DOE-SF has not fully implemented an effective human resources management program to ensure the availability of sufficient qualified staff to meet its SLAC and SSRL ES&H oversight responsibilities.		
3	9		T1420	Complete Training Needs Assessment Implementation Cost: \$0 Ongoing Cost: \$0	\$0	\$0
3	9		T1421	Ensure DOE-SF Staff Rec.Core & Site-specific Train Implementation Cost: \$0 Ongoing Cost: \$0	\$0	\$0
4	9	MF-13		The manner in which the DOE SSO is to obtain needed ES&H support services from DOE-SF is undocumented and poorly understood.		
3	9		T1425	Develop Oversight Plan Implementation Cost: \$0 Ongoing Cost: \$0	\$0	\$0
4	9		T1430	Complete Memo. of Agreements betwn. SSO & SF div. Implementation Cost: \$0 Ongoing Cost: \$0	\$0	\$0
3	9	MF-12		The DOE Headquarters ER has not clearly defined, documented, or conveyed its ES&H expectations of DOE-SF.		
3	9		T1363	Develop memo of agreement defining RRAs Implementation Cost: \$0 Ongoing Cost: \$0	\$0	\$0
3	9	MF-11		The DOE Headquarters Office of Energy Research (ER) does not have a strategic and subordinate implementation planning process that integrates ES&H and programmatic objectives into their mission and defines and guides the allocation of resources and accomplishment of sitewide ES&H objectives at SLAC and SSRL		
0	9		T1362	Develop a Prototype ES&H Integrated POSP Implementation Cost: \$0 Ongoing Cost: \$0	\$0	\$0
3	9	PP-2-3		The Department of Energy, San Francisco Operations Office has not consistently enforced the requirements of DOE 5482.1B and DOE 5480.10 at the Stanford Linear Accelerator Center to ensure identified health and safety non-compliances are corrected.		
3	9		T1425	Develop Oversight Plan Implementation Cost: \$0 Ongoing Cost: \$0	\$0	\$0
3	9		T1428	Develop SSO Corrective Action Tracking System Implementation Cost: \$0 Ongoing Cost: \$0	\$0	\$0
3	9		T1429	Close-out Past Appraisal Recommendations Implementation Cost: \$0 Ongoing Cost: \$0	\$0	\$0
3	9	PT-11-1		The Department of Energy San Francisco Operation Office does not have a formal program to appraise packaging and transportation safety as required by DOE 5482.1B, Section 8.e.2, and DOE 5480.3, Section 6.c.5.		
3	9		T1417	Hazardous Materials Transportation Appraisals Implementation Cost: \$0 Ongoing Cost: \$0	\$0	\$0





**SLAC/SSRL CORRECTIVE ACTION PLAN:  
MASTER SCHEDULE AND COST SUMMARY FOR ALL TASKS**

>> SORTED BY CAMP PRIORITY SYSTEM ORDER <<

DOE Priority	Camp Priority	Concern Finding	Task ID	Description	Implementation Cost	Ongoing Cost
4	9	PT.8-1		The Department of Energy, San Francisco Operation Office did not inform the Stanford Linear Accelerator Center of the Department of Transportation interpretation regarding public roads as requested by the Department of Energy Headquarters.		
4	9		T1423	Implement New SF/ERWM Branch	\$0	\$0
3	9	EP-1-3		An assessment by DOE-SF of all aspects of the emergency management program has not been conducted annually as required by DOE 5500.3A.		
3	9		T1418	Develop SF Emergency Mgmt. Memorandum of Agreement	\$0	\$0
3	9		T1419	Schedule SF Emergency Management Self-Assessment	\$0	\$0
4	9	AX.1-1		The Department of Energy has not provided guidelines for consistency in defining what constitutes auxiliary systems.		
4	9		T1440	Request Auxiliary System Definition Guidance	\$0	\$0
3	9	QA/CF-6		Stanford Site Office (SSO) and DOE Field Office, San Francisco DOE (SF) have not provided formal oversight of SLAC to ensure that required QA activities are established and implemented as required by DOE 5700.6B.		
3	9		T1422	SSO & DOE-SF to Improve QA Oversight	\$0	\$0
4	0	SA-5		ER has not fully institutionalized a self-assessment program. ER has not provided oversight of, and sufficient guidance to, SF and SLAC regarding ES&H self-assessment.		
4	0		T1431	Institute Self Assessment of Program Offices	\$0	\$0
4	0	SA-4		SF/SSO lack a fully implemented self-assessment program; however, several actions have recently been taken that should implement such a program.		
0	0	SA-3		The SF/SSO self-assessment report is of acceptable quality. The SF/SSO assessment was thorough in its identification of environmental and management findings at SLAC, but less thorough in its identification of safety and health findings. SF/SSO are to be commended for including "ownership" of specific ES&H findings and concerns at SLAC within the scope of their assessment.		
0	0	SA-2		SLAC lacks a comprehensive and formalized self-assessment program, including policies, procedures, and quality assurance (QA).		
0	0		T1366	Institutionalize the Self-Assessment Effort	\$175,000	\$400,000
0	0	SA-1		The SLAC self-assessment report is of good quality. The report was thorough in its identification of specific findings and management issues in all major areas.		

CALENDAR 1992												CALENDAR 1993												CALENDAR 1994												CALENDAR 1995												CALENDAR 1996											
FISCAL YEAR 1992												FISCAL YEAR 1993												FISCAL YEAR 1994												FISCAL YEAR 1995												FISCAL YEAR 1996											
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**Table 4-4 Master Schedule for all Tasks, Sort by Tiger Team Order**

# SLAC/SSRL CORRECTIVE ACTION PLAN

MASTER SCHEDULE AND COST SUMMARY FOR ALL TASKS

SORT BY TIGER TEAM ORDER

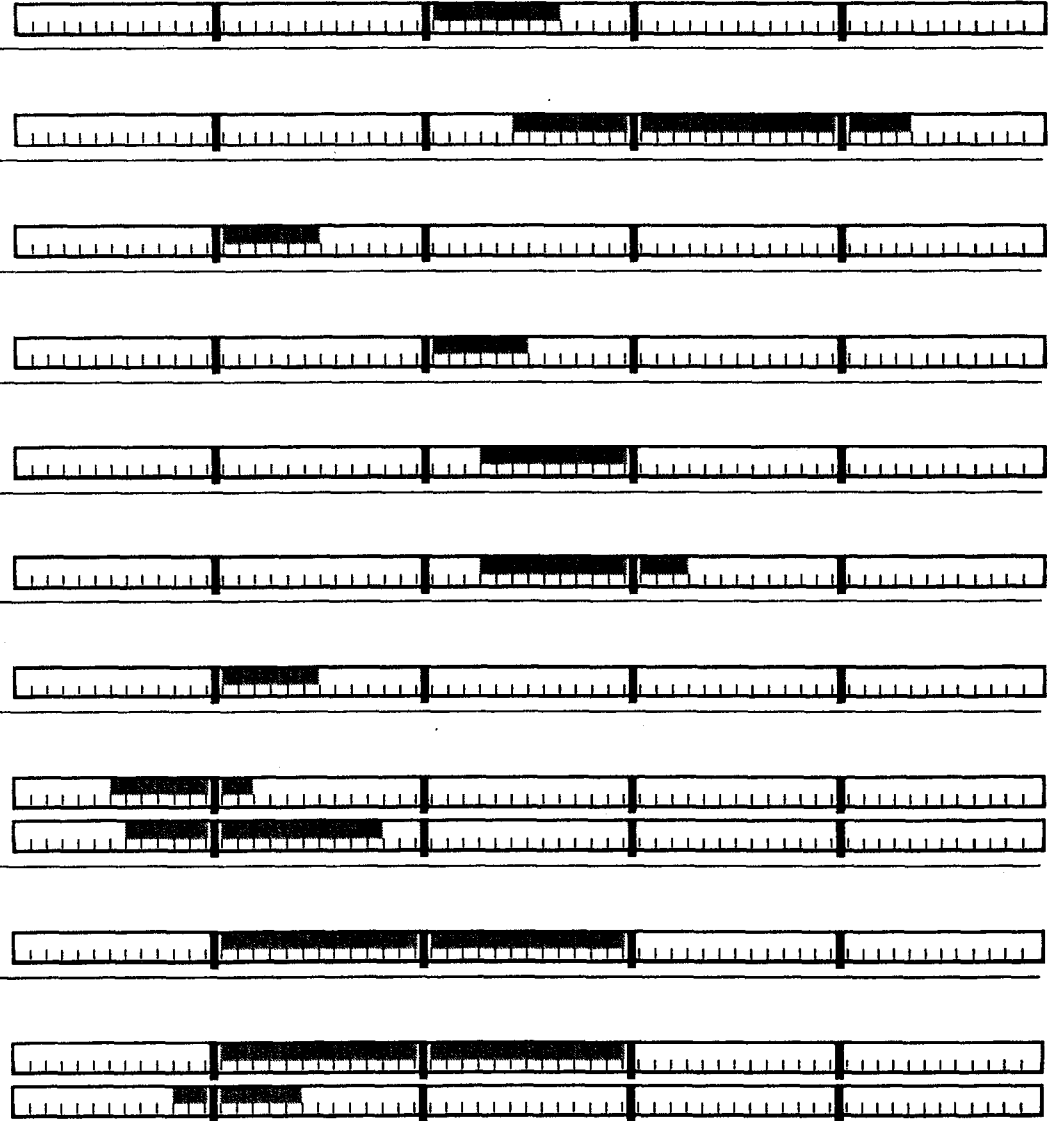
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**SLAC/SSRL CORRECTIVE ACTION PLAN:  
MASTER SCHEDULE AND COST SUMMARY FOR ALL TASKS**

>> SORTED BY TIGER TEAM ORDER <<

DOE Priority	Camp Priority	Concern Finding	Task ID	Description	Implementation Cost	Ongoing Cost
2	30	A/CF-1		SLAC does not have an ambient air quality surveillance program. The baseline of air quality in the vicinity of SLAC has not been formally established, and the potential impacts of the SLAC emissions on ambient air quality have not been quantified, as required by DOE 5400.1, Chapter IV, Section R.1.7.11		
2	30		T1254	Develop Air Quality Surveillance Program	\$35,000	\$15,000
3	30	A/CF-2		SLAC does not have a documented meteorological monitoring program. Meteorological data currently used by SLAC in the AIRDOS modeling are not representative of local conditions.		
3	30		T1105	Develop Meteorological Monitoring Program	\$140,000	\$10,000
2	53	A/CF-3		An asbestos abatement project conducted during the Tiger Team Assessment did not meet the requirements of BAAQMD, Regulation 11, Rule 2 and 40 CFR 61.145-148.		
2	53		T1355	Develop Asbestos Management Program	\$10,000	\$3,000
3	20	A/BMPF-1		There are no formal procedures at SLAC to ensure that existing sources of air emissions have the necessary permits and to guarantee that air permits are obtained, where required, for all new projects and/or construction activities.		
3	20		T1338	Develop Procedures for Air Permits	\$5,000	\$0
3	20	A/BMPF-2		The procedures used in the air effluent control program at the SLAC are not sufficient and are not effectively enforced to ensure that air emissions are minimized.		
3	20		T1252	Revise Air Effluent Control Program Procedures	\$18,000	\$0
3	20	A/BMPF-3		SLAC does not have a complete inventory of air emissions that is updated annually, and not all sources in the existing inventory are adequately quantified.		
3	20		T1127	Develop Air Emissions Inventory Procedures	\$35,000	\$25,000
2	20	A/BMPF-4		SLAC does not have a comprehensive formal program to manage asbestos and to ensure compliance with federal, state, and local asbestos regulations.		
2	20		T1355	Develop Asbestos Management Program	\$10,000	\$3,000
2	61.5	SW/CF-1		Secondary containment sufficient to prevent a release to the environment has not been provided for all oil-filled equipment and hazardous chemicals.		
2	61.5		T1298	Develop Secondary Containment Program	\$130,000	\$60,000
2	61.5		T1246	Provide Safe Storage for Cooling Tower Chemicals	\$211,000	\$0
2	45	SW/CF-2		The potential for releases of non-radiological liquid effluents, including petroleum products or other hazardous chemicals, to the storm drains at SLAC have not been fully characterized.		
2	45		T1109	Characterize Potential Storm Drain Releases	\$55,000	\$20,000
2	55	SW/CF-3		The SPOC Plan does not incorporate all of the information as required in 40 CFR 112.		
2	55		T1109	Characterize Potential Storm Drain Releases	\$55,000	\$20,000
2	55		T1346	Revise Spill Preven. Counter. & Control Plan	\$40,000	\$10,000

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**SLAC/SSRL CORRECTIVE ACTION PLAN:  
MASTER SCHEDULE AND COST SUMMARY FOR ALL TASKS**

CALENDAR 1992 | CALENDAR 1993 | CALENDAR 1994 | CALENDAR 1995 |

>> SORTED BY TIGER TEAM ORDER <<

FISCAL YEAR 1992					FISCAL YEAR 1993					FISCAL YEAR 1994					FISCAL YEAR 1995					FISCAL YEAR 1996				
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C	O	C	O	C	C	O	C	O	C	C	O	C	O	C	C	O	C	O	C	C	O	C	O	C
V	T	V	T	V	V	T	V	T	V	V	T	V	T	V	V	T	V	T	V	V	T	V	T	V
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L	G	P	L	G	L	G	P	L	G	L	G	P	L	G	L	G	P	L	G	L	G	P	L	G

DOE Priority	Camp Priority	Concern Finding	Task ID	Description	Implementation Cost	Ongoing Cost	1992	1993	1994	1995	1996
1	69	WM/CF-1		SLAC's hazardous waste management training program has not been fully implemented to ensure that all facility personnel with responsibility for hazardous waste management activities have been trained, and to ensure that hazardous waste is managed in accordance with the State of California regulatory requirements.							
			T1095	Expand Hazardous Waste Management Training Prgm.	\$160,000	\$50,000	█	█			
			T1288	Formalize Waste Classification Program	\$5,000	\$0	█				
			T1118	Develop WAA Management Procedures	\$12,000	\$0	█				
2	69	WM/CF-2		SLAC does not have a formalized waste classification or quality assurance program to ensure that all waste streams are properly identified, as required by State of California Regulations, Title 22.							
			T1288	Formalize Waste Classification Program	\$5,000	\$0	█				
			T1293	Develop Comprehensive Audit Plan for ES&H Act.	\$20,000	\$0	█				
1	69	WM/CF-3		Waste accumulation and storage management activities have not been uniformly implemented across the site to ensure compliance with federal and state requirements.							
			T1095	Expand Hazardous Waste Management Training Prgm.	\$160,000	\$50,000	█	█			
			T1118	Develop WAA Management Procedures	\$12,000	\$0	█				
			T1119	Implement Hazardous Waste Tracking System	\$50,000	\$15,000	█	█			
			T1285	Revise Haz. Waste Packaging & Storage Procedures	\$10,000	\$0	█				
			T1293	Develop Comprehensive Audit Plan for ES&H Act.	\$20,000	\$0	█				
2	43	WM/CF-4		SLAC does not have a finalized waste minimization plan that includes all the elements required for an effective waste minimization program by EPA, DOE, and the State of California.							
			T1093	Revise Waste Minimization Plan	\$45,000	\$0	█	█			
2	64.5	WM/CF-5		Radioactive waste is not fully managed in a manner to ensure (1) that it is properly handled, segregated, characterized, stored, and shipped; (2) that the waste certification program meets the Hanford Site Radioactive Solid Waste Acceptance Criteria (WHC-EP-0063-2); and (3) that the generation of low-level radioactive waste is minimized.							
			T1277	Revise Radioactive Waste Management Plan	\$130,000	\$0	█	█			
2	58	WM/CF-6		SLAC does not have an integrated contingency plan that meets all the requirements of Article 20 of the California Hazardous Waste Management Regulations.							
			T1289	Develop Hazardous Materials Spill Contingency Plan	\$100,000	\$10,000	█	█			
3	20	WM/BMPF-1		SLAC does not have formal procedures in place to formally evaluate or audit commercial TSDFs to which SLAC ships its waste.							
			T1293	Develop Comprehensive Audit Plan for ES&H Act.	\$20,000	\$0	█	█			
			T1294	Define Audit Roles & Responsibilities	\$5,000	\$0	█				
			T1295	Develop a Detailed Procedure for Audits	\$7,000	\$0	█				

**SLAC/SSRL CORRECTIVE ACTION PLAN:  
MASTER SCHEDULE AND COST SUMMARY FOR ALL TASKS**

>> SORTED BY TIGER TEAM ORDER <<

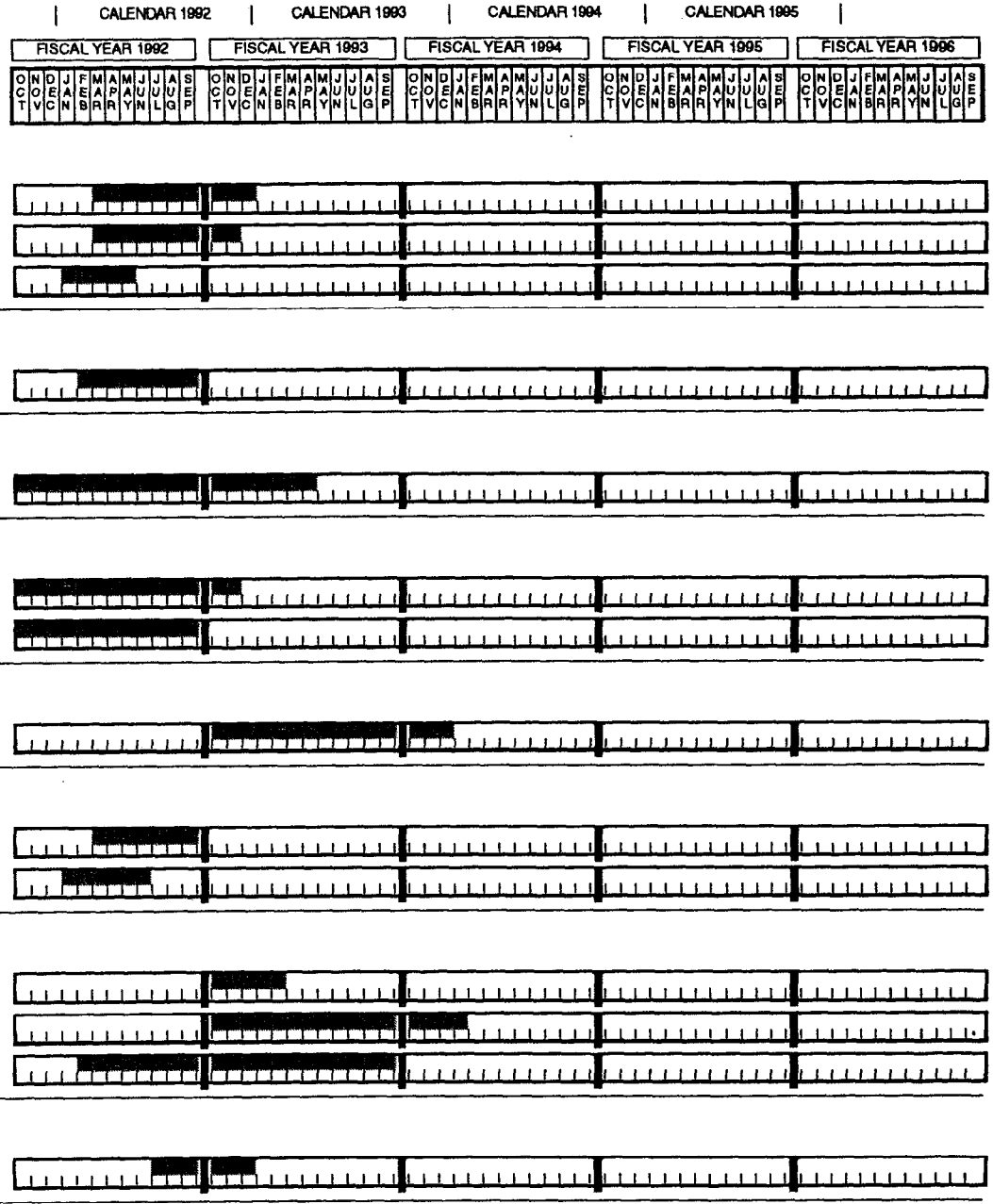
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FISCAL YEAR 1992												FISCAL YEAR 1993												FISCAL YEAR 1994												FISCAL YEAR 1995												FISCAL YEAR 1996											
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DOE Priority	Camp Priority	Concern Finding	Task ID	Description	Implementation Cost	Ongoing Cost	Other Costs	Schedule
2	30	TCM/CF-1		SLAC has not developed or implemented a Pollution Prevention Awareness Program Plan in accordance with DOE 5400.1, Chapter III.				
2	30		T1089	Finalize Pollution Prevention Awareness Plan Implementation Cost: \$45,000 Ongoing Cost: \$30,000				
1	74.8	TCM/CF-2		SLAC does not have integrated procedures or comprehensive sitewide inventory to manage oil-filled equipment, including PCB equipment, in order to ensure compliance with 40 CFR 761, 40 CFR 112, and DOE 6430.1A.				
1	74.8		T1258	Establish Program to Manage Oil Filled Equipment Implementation Cost: \$370,000 Ongoing Cost: \$80,000				
3	20	TCM/BMPF-1		SLAC has not developed and implemented a comprehensive inspection and hazardous material handling program for equipment stored for reuse, excess, or scrap.				
3	20		T1016	Develop/Distribute Interim Haz. Mat. Guidance Implementation Cost: \$3,000 Ongoing Cost: \$0				
3	20		T1056	Revise Business Services Division Procedure 98-4 Implementation Cost: \$5,000 Ongoing Cost: \$0				
3	20		T1058	Evaluate Adequacy of Training for Ware/Salv Pers. Implementation Cost: \$10,000 Ongoing Cost: \$0				
3	20	TCM/BMPF-2		SLAC does not provide adequate oversight of landscaping and pest control contractors.				
3	20		T1435	Revise Contractor Oversight Program Implementation Cost: \$4,000 Ongoing Cost: \$0				
3	20	TCM/BMPF-3		SLAC lacks a comprehensive program to manage the storage of chemicals used for cooling tower maintenance.				
2	20		T1246	Provide Safe Storage for Cooling Tower Chemicals Implementation Cost: \$211,000 Ongoing Cost: \$0				
3	20		T1248	Develop Cooling Towers Chemical Storage Procedure Implementation Cost: \$11,000 Ongoing Cost: \$0				
3	20	TCM/BMPF-4		SLAC does not have a comprehensive, integrated chemical materials management system.				
2	20		T1311	Develop Hazardous Materials Management System Implementation Cost: \$190,000 Ongoing Cost: \$40,000				
2	55	QA/CF-1		SLAC has not prepared a formal integrated Environmental Monitoring Plan which includes descriptions of effluent monitoring and environmental surveillance activity components, as required by DOE 5400.1, Chapter IV, Section 4. Annual Site Environmental Reports do not include all requirements of DOE 5400.1, Chapter II, Section 2.				
2	55		T1122	Develop Integrated Environmental Monitoring Plan Implementation Cost: \$60,000 Ongoing Cost: \$0				
2	40	QA/CF-2		SLAC lacks a formal QA program for environmental activities that has been approved by the DOE Field Office, San Francisco DOE (SF), as required by DOE 5400.1 and DOE 5700.6B.				
2	40		T1044	Revise Existing Institutional QA Manual Implementation Cost: \$30,000 Ongoing Cost: \$100,000				
2	40		T1122	Develop Integrated Environmental Monitoring Plan Implementation Cost: \$60,000 Ongoing Cost: \$0				
2	55	QA/CF-3		SLAC has not developed or implemented finalized procedures for all of the environmental activities required by DOE 5700.6B and DOE 5400.1.				
2	55		T1122	Develop Integrated Environmental Monitoring Plan Implementation Cost: \$60,000 Ongoing Cost: \$0				
2	55		T1413	Develop Environmental QA/QC Guidelines Implementation Cost: \$15,000 Ongoing Cost: \$10,000				

**SLAC/SSRL CORRECTIVE ACTION PLAN:  
MASTER SCHEDULE AND COST SUMMARY FOR ALL TASKS**

>> SORTED BY TIGER TEAM ORDER <<

DOE Priority	Camp Priority	Concern Finding	Task ID	Description	Implementation Cost	Ongoing Cost	Other Cost
2	35	QA/CF-4		SLAC's internal auditing and corrective action program does not address all aspects of environmental performance and is not sufficient to assure the quality of all environmental activities, as required by DOE 5700.6B and NQA-1.			
1	35		T1293	Develop Comprehensive Audit Plan for ES&H Act. Implementation Cost: \$20,000	Ongoing Cost: \$0		
2	35		T1294	Define Audit Roles & Responsibilities Implementation Cost: \$5,000	Ongoing Cost: \$0		
2	35		T1295	Develop a Detailed Procedure for Audits Implementation Cost: \$7,000	Ongoing Cost: \$0		
2	30	QA/CF-5		SLAC's oversight of vendors performing environmental services is deficient with respect to surveillance, written procedures, QA program review, data validation, and audits as required by DOE 5700.6B.			
2	30		T1413	Develop Environmental QA/QC Guidelines Implementation Cost: \$15,000	Ongoing Cost: \$10,000		
3	9	QA/CF-6		Stanford Site Office (SSO) and DOE Field Office, San Francisco DOE (SF) have not provided formal oversight of SLAC to ensure that required QA activities are established and implemented as required by DOE 5700.6B.			
3	9		T1422	SSO & DOE-SF to Improve QA Oversight Implementation Cost: \$0	Ongoing Cost: \$0		
2	30	RAD/CF-1		DOE Field Office, San Francisco DOE-(SF) has not developed an ALARA program and has not required SLAC to implement the ALARA process in environmental programs as required by DOE 5400.5, Chapter II, Section 2.			
2	30		T1426	Prepare & Implement an ALARA Program at DOE-SF Implementation Cost: \$0	Ongoing Cost: \$0		
2	30		T1427	Provide Oversight to the SLAC ALARA Program Implementation Cost: \$0	Ongoing Cost: \$0		
2	30	RAD/CF-2		SLAC has not developed and documented a Decommissioning Program and Decommissioning Project Plans to provide for the surveillance, maintenance, and decommissioning of facilities containing radioactive materials, as required by DOE 5820.2A, Chapter V, Section 3, and has not documented such activities in the Waste Management Plan, as required in DOE 5820.2B (Chapter VI)			
2	30		T1261	Develop a Decommissioning Program Implementation Cost: \$65,000	Ongoing Cost: \$0		
2	61.5	RAD/CF-3		SLAC has not developed finalized plans and procedures specifying requirements for the release of property having residual radioactive material and has not maintained the records of released property as required by DOE 5400.5.			
2	61.5		T1200	Finalize Procedures for Release of Property Implementation Cost: \$4,000	Ongoing Cost: \$0		
2	61.5		T1201	Remove Radioactive Material From Non-RMMA Implementation Cost: \$50,000	Ongoing Cost: \$0		
1	60.75	IWS/CF-1		SLAC does not have an adequate program to identify, characterize, and manage inactive waste site activities in accordance with the requirements of DOE 5400.4, CERCLA, the NCP, and Executive Order 12850.			
2	60.75		T1179	Prepare Implementation Plan for DOE 5400.4 Implementation Cost: \$34,000	Ongoing Cost: \$0		
2	60.75		T1180	Develop IWS Remediation Management Plan Implementation Cost: \$28,000	Ongoing Cost: \$0		
2	60.75		T1192	Develop Schedule for Preliminary Assessment of IWS Implementation Cost: \$150,000	Ongoing Cost: \$0		
1	30	IWS/CF-2		The site has conducted, and is in the process of conducting remedial actions, but does not have a formalized written Community Relations Plan, and has not established an administrative Record available for public inspection.			
1	30		T1209	Develop Community Relations Plan Implementation Cost: \$15,000	Ongoing Cost: \$15,000		



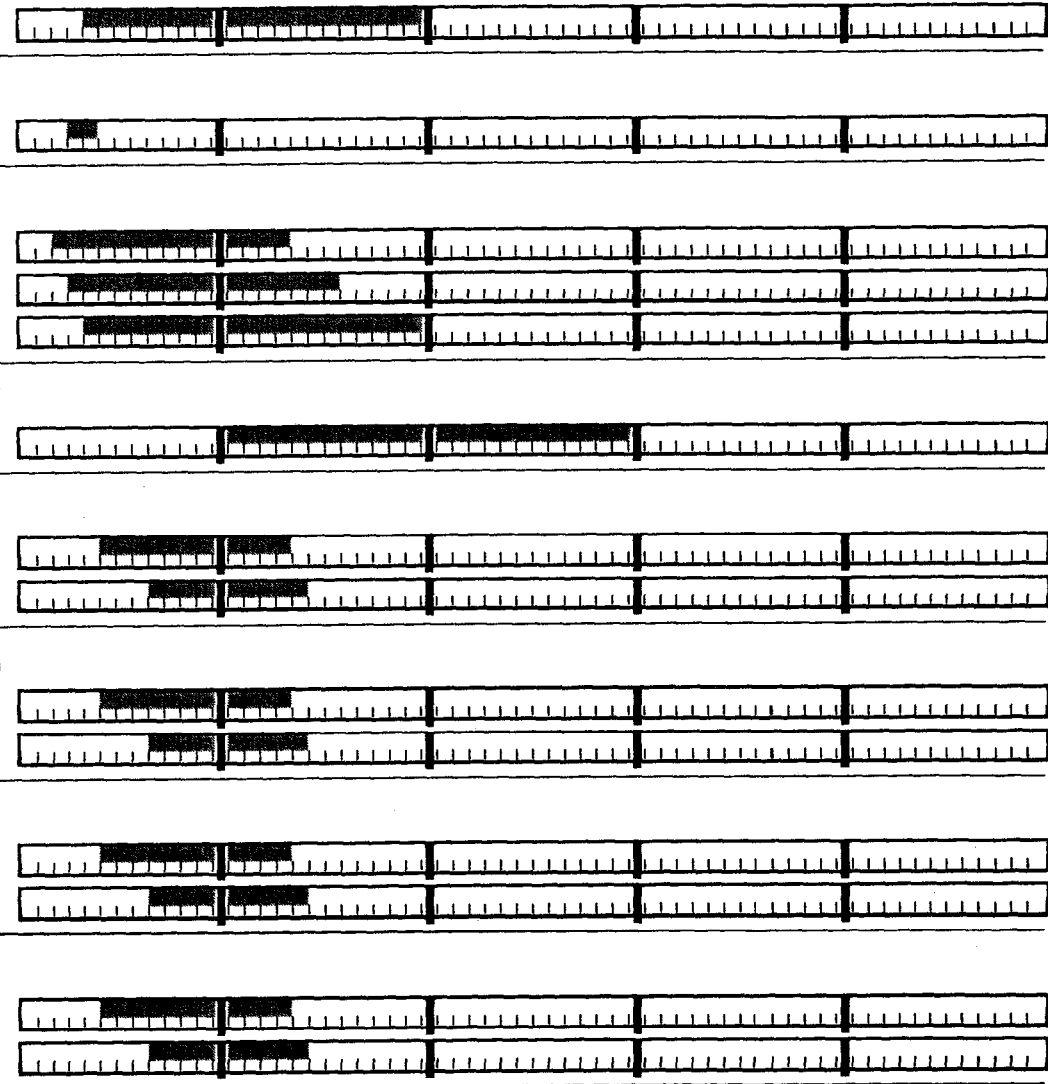


**SLAC/SSRL CORRECTIVE ACTION PLAN:  
MASTER SCHEDULE AND COST SUMMARY FOR ALL TASKS**

>> SORTED BY TIGER TEAM ORDER <<

DOE Priority	Camp Priority	Concern Finding	Task ID	Description	Implementation Cost	Ongoing Cost
2	35	NWS/CF-3		SLAC has not prepared a comprehensive preliminary assessment of the site to identify all potential inactive waste sites and to rank the SLAC facility using the new Hazard Ranking System model, in accordance with the provisions of DOE 5400.4, CERCLA, and the NCP.		
2	35		T1192	Develop Schedule for Preliminary Assessment of IWS Implementation Cost: \$150,000 Ongoing Cost: \$0		
2	30	NWS/CF-4		The SLAC Site Development Plan does not include maps or descriptions of known and suspected contaminated areas and does not address the impact of siting facilities in these areas as required by DOE 4320.1B.		
2	30		T1387	Generate Maps for Contaminated Areas Implementation Cost: \$3,000 Ongoing Cost: \$2,000		
2	61.5	NWS/CF-5		SLAC has not met all the reporting requirements of the California Hazardous Materials Release Response and Inventory ("Business Plan") Program, and procedures are not in place to ensure expeditious reporting of any release of hazardous materials to the environment.		
1	61.5		T1095	Expand Hazardous Waste Management Training Prgm. Implementation Cost: \$160,000 Ongoing Cost: \$50,000		
2	61.5		T1210	Revise Hazardous Materials Response Plan Implementation Cost: \$60,000 Ongoing Cost: \$0		
1	61.5		T1376	Conduct Hazards Assessment Implementation Cost: \$400,000 Ongoing Cost: \$0		
3	20	NWS/BMPF-1		The methods for tracking the hazardous materials inventory at SLAC do not ensure that all hazardous materials are accounted for and that changes to the inventory are recorded on a regular basis. The inventory information is not maintained in a computerized database program to facilitate inventory management and to ensure regulatory compliance.		
2	20		T1311	Develop Hazardous Materials Management System Implementation Cost: \$190,000 Ongoing Cost: \$40,000		
2	40	NEPA/CF-1		SLAC and SSRL have not established and implemented written procedures to integrate the NEPA process into the review of planning documents, budgetary materials, and other project proposals as required by SAN MD No. 5440.1C, SEN-15-90, DOE 5440.1D, and the Interim Procedural Guidance for Implementation of SEN-15-90.		
2	40		T1350	Develop Procedures for NEPA Compliance Review Implementation Cost: \$75,000 Ongoing Cost: \$10,000		
2	40		T1351	Train Staff for NEPA Compliance Implementation Cost: \$80,000 Ongoing Cost: \$10,000		
2	30	NEPA/CF-2		SLAC and SSRL do not uniformly apply NEPA early in the planning process for proposed DOE actions as required by SAN MD No. 5440.1C, 40 CFR 1501.2, DOE NEPA Guidelines, SEN-15-90, DOE 5440.1D, DOE 4700.1, DOE 5700.7B, and DOE Notice 5100.3. Project planning documents and internal project review documents for most DOE environmental research field work proposals and		
2	30		T1350	Develop Procedures for NEPA Compliance Review Implementation Cost: \$75,000 Ongoing Cost: \$10,000		
2	30		T1351	Train Staff for NEPA Compliance Implementation Cost: \$80,000 Ongoing Cost: \$10,000		
2	40	NEPA/CF-3		Actions are taken at SLAC and SSRL without NEPA review early in the planning phase and before decisions are made. In some cases, the level of NEPA documentation is not appropriate for the proposed action, contrary to SAN MD No. 5440.1C, SEN-15-90, and the Interim Procedural Guidance for SEN-15-90.		
2	40		T1350	Develop Procedures for NEPA Compliance Review Implementation Cost: \$75,000 Ongoing Cost: \$10,000		
2	40		T1351	Train Staff for NEPA Compliance Implementation Cost: \$80,000 Ongoing Cost: \$10,000		
2	60	NEPA/CF-4		The two SLAC environmental assessments and the environmental statement are deficient when judged against the requirements of 40 CFR 1500.2 (e), 1500.2(b), and 1508.9 of the Council on Environmental Quality regulations.		
2	60		T1350	Develop Procedures for NEPA Compliance Review Implementation Cost: \$75,000 Ongoing Cost: \$10,000		
2	60		T1351	Train Staff for NEPA Compliance Implementation Cost: \$80,000 Ongoing Cost: \$10,000		

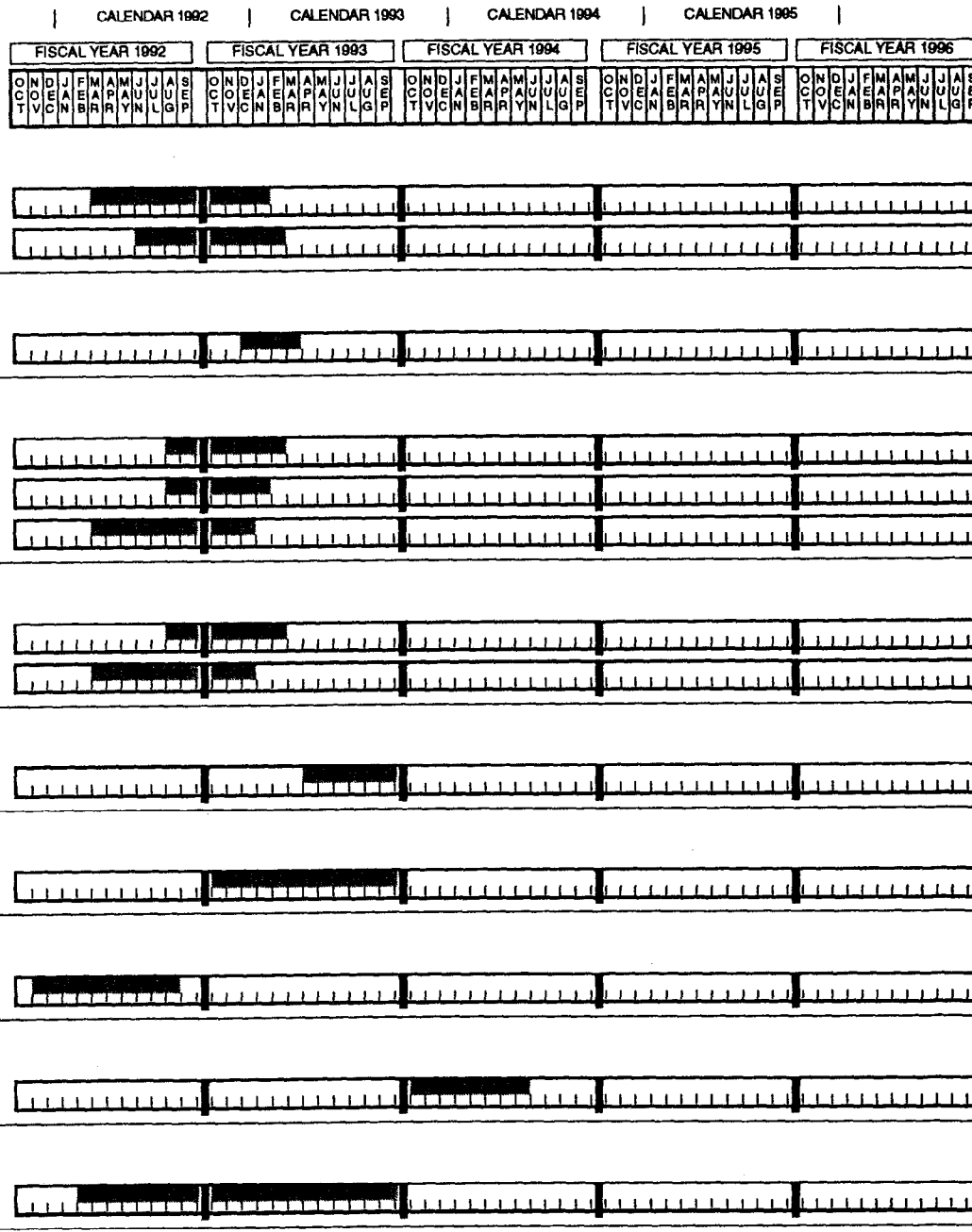
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**SLAC/SSRL CORRECTIVE ACTION PLAN:  
MASTER SCHEDULE AND COST SUMMARY FOR ALL TASKS**

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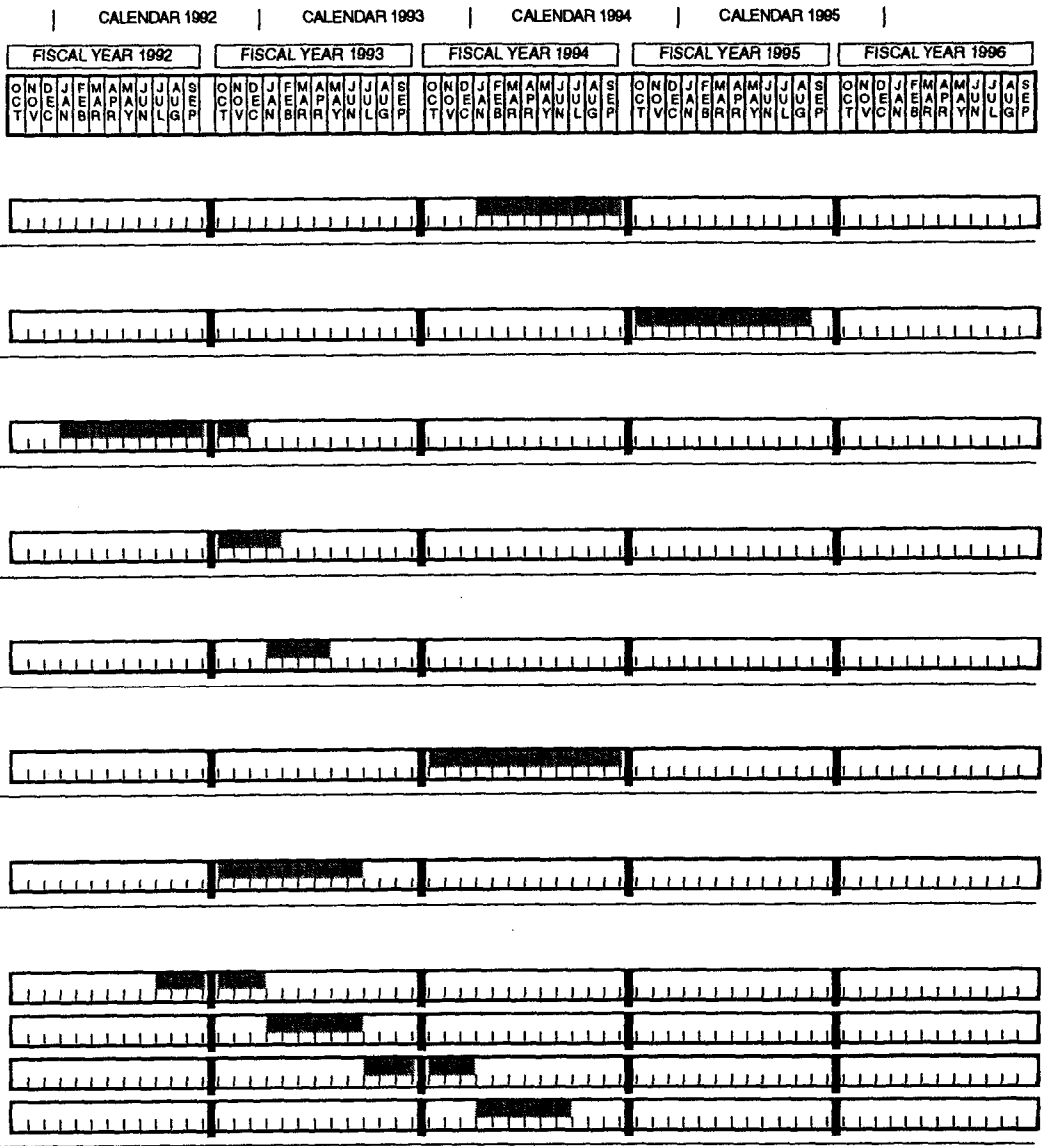
DOE Priority	Camp Priority	Concern Finding	Task ID	Description	Implementation Cost	Ongoing Cost
2	30	NEPA/CF-5		Neither SLAC nor SSRL submit the required NEPA documentation to SSO (i.e., a monthly list of actions that qualify as categorical exclusions not needing documentation, descriptions and recommendations of the level of NEPA documentation for all other actions, and submittal of draft NEPA documents) as required by SAN MD No. 5440.1C SFN-15-90 the Interim Procedural Guidance for		
2	30		T1350	Develop Procedures for NEPA Compliance Review Implementation Cost: \$75,000 Ongoing Cost: \$10,000		
2	30		T1351	Train Staff for NEPA Compliance Implementation Cost: \$80,000 Ongoing Cost: \$10,000		
2	30	NEPA/CF-6		SLAC/SSRL and SSO do not have an integrated system for tracking the status of NEPA review and documentation for all actions, and there are no formal procedures for record keeping and tracking of the NEPA process as required by SAN MD No. 5440.1C and DOE 5440.1D.		
2	30		T1352	Develop NEPA Compliance Tracking System Implementation Cost: \$10,000 Ongoing Cost: \$5,000		
2	33	OA.1-1		Position authorities are not documented for Stanford Linear Accelerator Center as required by DOE 5480.19, Chapter 1.		
2	33		T1223	Clarify Inter-relationships of RRA's Implementation Cost: \$10,000 Ongoing Cost: \$0		
2	33		T1224	Establish ESAH RRA's for Job Classes Implementation Cost: \$100,000 Ongoing Cost: \$0		
2	33		T1385	Establish Divisional & Departmental ESAH RRA's Implementation Cost: \$100,000 Ongoing Cost: \$0		
3	39	OA.1-2		Functions and responsibilities of Environmental Safety and Health Division are not understood across the organization.		
2	39		T1223	Clarify Inter-relationships of RRA's Implementation Cost: \$10,000 Ongoing Cost: \$0		
2	39		T1385	Establish Divisional & Departmental ESAH RRA's Implementation Cost: \$100,000 Ongoing Cost: \$0		
3	25	OA.2-1		Safety review and oversight functions are not clearly separated from line functions.		
3	25		T1300	Assess & Implement Approp. Indep. Safety Oversight Implementation Cost: \$10,000 Ongoing Cost: \$0		
2	55.75	OA.3-1		Measurable safety objectives have not been established by the Stanford Linear Accelerator Center as required in DOE 5480.19, Chapter 1.		
2	55.75		T1358	Establish Measurable Health and Safety Objectives Implementation Cost: \$10,000 Ongoing Cost: \$0		
2	46	OA.5-1		The self-assessment program has not been institutionalized by Stanford Linear Accelerator Center.		
0	46		T1366	Institutionalize the Self-Assessment Effort Implementation Cost: \$175,000 Ongoing Cost: \$400,000		
3	44.5	OA.6-1		The Stanford Linear Accelerator Center has not established a routine job qualification review system.		
3	44.5		T1366	Establish Job Qualifications Review System Implementation Cost: \$20,000 Ongoing Cost: \$0		
1	63	OA.7-1		Hazards assessments have not been documented for some facilities as required by DOE 5500.3A.		
1	63		T1376	Conduct Hazards Assessment Implementation Cost: \$400,000 Ongoing Cost: \$0		



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DOE Priority	Camp Priority	Concern Finding	Task ID	Description	Implementation Cost	Ongoing Cost
3	33	OA.7-2		The Stanford Linear Accelerator Center does not have a centralized document control system.		
3	33		T1203	Develop Centralized Document Control System	\$40,000	\$0
3	36	OA.8-1		An effective fitness for duty program has not been implemented.		
3	36		T1291	Fitness for Duty Program	\$25,000	\$0
2	48.6	QV.1-1		The Institutional Quality Assurance plan at Stanford Linear Accelerator Center has not been consistently implemented by all affected departments, does not reflect current organizational structure, and does not comply with DOE 5700.6B.		
2	48.6		T1044	Revise Existing Institutional QA Manual	\$30,000	\$100,000
2	54	QV.1-2		Stanford Linear Accelerator Center activities and equipment that are important to quality have not been identified or defined to enable application of appropriate quality control measures as required by DOE 5700.6B.		
2	54		T1236	Identify Activities for QA Importance	\$15,000	\$0
2	48.6	QV.1-3		Working-level personnel have not received training on principles of quality achievement or the requirements of the quality control program as required by DOE 5700.6B.		
2	48.6		T1286	Establish Training Program for QA Activity	\$35,000	\$25,000
2	28	QV.2-1		The Stanford Linear Accelerator Center's procedures for procurement do not define requirements or give guidance to requestors with respect to quality assurance program controls, codes and standards, or technical requirements as required by DOE 5700.6B.		
2	28		T1007	Develop/Implement Procedure for Purchasing QA	\$20,000	\$0
2	36	QV.3-1		The Stanford Linear Accelerator Center has not ensured that procured materials are properly inspected on receipt for conformance to design requirements as required by DOE 5700.6B.		
2	36		T1045	Develop Procedures for Insp. of Received Materials	\$10,000	\$0
2	48.6	QV.4-1		There is no site-wide standard defining the scope and requirements for calibration of measuring and test equipment, process instrumentation, and radiation monitoring instrumentation as required by DOE 5700.6B.		
2	48.6		T1328	Develop Calibration Program Inclusion Criteria	\$12,000	\$0
2	48.6		T1331	Survey Devices to be Calibrated	\$35,000	\$0
2	48.6		T1332	Revise Calibration Procedures	\$50,000	\$0
2	48.6		T1333	Implement Calibration Program	\$100,000	\$50,000



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DOE Priority	Camp Priority	Concern Finding	Task ID	Description	Implementation Cost	Ongoing Cost	Final Cost
2	48.6	QV.4-2		Several secondary standards used for calibration are not traceable to nationally recognized standards and/or are not maintained in a current state of calibration themselves as required by DOE 5700.6B.			
2	48.6		T1328	Develop Calibration Program Inclusion Criteria	\$12,000	\$0	\$12,000
2	48.6		T1331	Survey Devices to be Calibrated	\$35,000	\$0	\$35,000
2	48.6		T1332	Revise Calibration Procedures	\$50,000	\$0	\$50,000
2	48.6		T1333	Implement Calibration Program	\$100,000	\$50,000	\$150,000

4	35	QV.4-3		As-found and as-left data are not recorded and maintained for equipment that is calibrated.			
2	35		T1332	Revise Calibration Procedures	\$50,000	\$0	\$50,000
2	35		T1333	Implement Calibration Program	\$100,000	\$50,000	\$150,000

2	59.114	QV.6-1		The programs for ensuring that pressure vessels are properly fabricated, installed, tested, operated, and reinspected are not effectively implemented as required by DOE 5700.6B and generally accepted industry standards.			
2	59.114		T1216	Revise Pressure Vessel Procedures	\$115,000	\$20,000	\$135,000
2	59.286	QV.7-1		Programs are not established to ensure that structural, pressure-vessel, and other important-to-quality welding activities are accomplished in accordance with appropriate codes and standards as required by DOE 5700.6B.			
2	59.286		T1218	Revise Pressure Vessel Procedures	\$115,000	\$20,000	\$135,000
2	59.286		T1309	Review and Revise Welding Standards	\$36,000	\$0	\$36,000

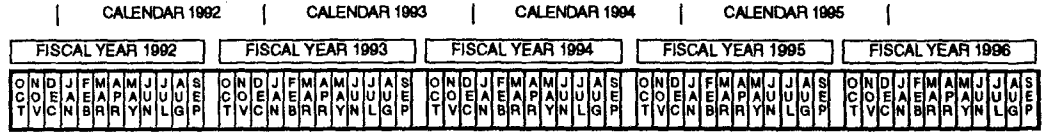
3	20	QV.8-1		A program has not been established to provide training to personnel who perform nondestructive examinations.			
3	20		T1315	Establish Nondestructive Test Training	\$25,000	\$0	\$25,000

3	36	OP.1-1		Qualification requirements and documented training programs are not in place for all operations positions.			
3	36		T1292	Identify & Develop Qualification Req'ts & Training	\$440,000	\$0	\$440,000

2	21	OP.1-2		Official lists of personnel currently qualified as Engineering Operator in Charge and Operator are not maintained in Control Rooms as required by DOE 5480.19.			
2	21		T1049	Post Qualified Operations Personnel	\$7,000	\$0	\$7,000

2	25	OP.2-1		Access to Control Rooms at the Stanford Linear Accelerator Center is not effectively limited to persons with official business as required by DOE 5480.19.			
2	25		T1047	Procedures for Limiting Control Room Access	\$7,000	\$0	\$7,000

3	31.5	OP.3-1		Operational Safety Requirements are not employed along with the associated surveillance and maintenance requirements at the Stanford Linear Accelerator Center.			
3	31.5		T1359	Formalize Safe Operating Parameters	\$25,000	\$0	\$25,000





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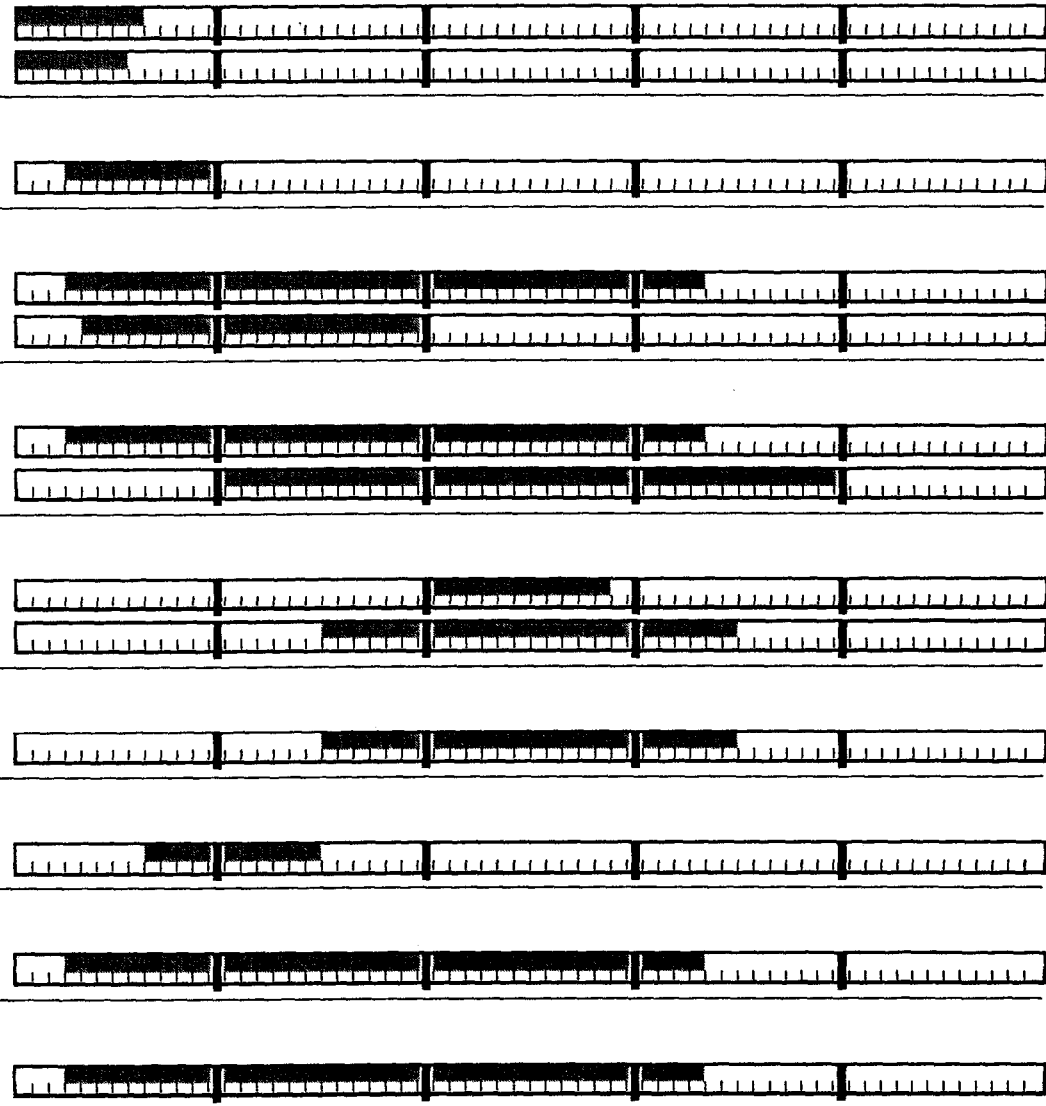
DOE Priority	Camp Priority	Concern Finding	Task ID	Description	Implementation Cost	Ongoing Cost	1992	1993	1994	1995	1996
2	43.75	MA.5-1		The corrective maintenance activities at Stanford Linear Accelerator Center do not support safe and effective operation of equipment and facilities as required by DOE 4330.4A, Section 9.							
2	43.75		T1242	Develop & Implement Maint. Safety Procedure(s)	\$235,000	\$250,000	█	█	█	█	█
2	43.75		T1327	Establish Maintenance Management Programs	\$50,000	\$0	█	█	█	█	█
2	36	MA.6-1		Preventive maintenance is not conducted at the Stanford Linear Accelerator Center in the manner required by DOE 4330.4A.							
2	36		T1327	Establish Maintenance Management Programs	\$50,000	\$0	█	█	█	█	█
2	20	MA.7-1		Equipment history and predictive maintenance analysis are not being used to optimize equipment performance as required by DOE 4330.4A.							
2	20		T1327	Establish Maintenance Management Programs	\$50,000	\$0	█	█	█	█	█
2	66.667	MA.8-1		Maintenance work is performed without the appropriate safety guidance and direction required by DOE 5480.19.							
2	66.667		T1242	Develop & Implement Maint. Safety Procedure(s)	\$235,000	\$250,000	█	█	█	█	█
4	9	AX.1-1		The Department of Energy has not provided guidelines for consistency in defining what constitutes auxiliary systems.							
4	9		T1440	Request Auxiliary System Definition Guidance	\$0	\$0	█	█	█	█	█
4	20	AX.1-2		Stanford Linear Accelerator Center has not provided definitions of what constitutes auxiliary systems.							
4	20		T1165	Identify and Review Auxiliary Systems	\$12,000	\$0	█	█	█	█	█
2	31.5	AX.5-1		The Plating Shop ventilation system does not minimize the potential to release hazardous material to clean areas or the environment contrary to the requirements in DOE 6430.1A.							
2	31.5		T1310	Review & Improve Plating Shop Ventilation	\$50,000	\$0	█	█	█	█	█
2	25	AX.6-1		Testing of emergency diesel generators at the Stanford Linear Accelerator Center does not meet the requirements of NFPA 110 to ensure reliability of vital services.							
2	25		T1280	Revise Diesel Generator Test Procedures	\$10,000	\$0	█	█	█	█	█
2	61.875	EP.1-1		Stanford Linear Accelerator Center has not prepared a site-wide hazards assessment to provide the technical basis for the emergency management program as required by DOE 5500.3A.							
1	61.875		T1376	Conduct Hazards Assessment	\$400,000	\$0	█	█	█	█	█
2	53	EP.1-2		Stanford Linear Accelerator Center has not established and maintained an emergency management program that meets the requirements of DOE 5500.3A.							
2	53		T1373	Develop Emergency Management Program	\$188,000	\$0	█	█	█	█	█
1	53		T1376	Conduct Hazards Assessment	\$400,000	\$0	█	█	█	█	█

**SLAC/SSRL CORRECTIVE ACTION PLAN:  
MASTER SCHEDULE AND COST SUMMARY FOR ALL TASKS**

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DOE Priority	Camp Priority	Concern Finding	Task ID	Description	Implementation Cost	Ongoing Cost
3	9	EP-1-3		An assessment by DOE-SF of all aspects of the emergency management program has not been conducted annually as required by DOE 5500.3A.		
3	9		T1418	Develop SF Emergency Mgmt. Memorandum of Agreement	\$0	\$0
3	9		T1419	Schedule SF Emergency Management Self-Assessment	\$0	\$0
2	35,308	EP-1-4		A Stanford Linear Accelerator Center assessment of all aspects of the emergency management program has not been conducted annually as required by DOE 5500.3A.		
2	35,308		T1378	Develop Emergency Readiness Assurance Plan	\$55,000	\$20,000
2	42.25	EP-2-1		The Stanford Linear Accelerator Center Emergency Preparedness Plan is not based on a hazards assessment and does not accurately describe the provisions for response to emergencies as required by DOE 5500.3A.		
2	42.25		T1373	Develop Emergency Management Program	\$189,000	\$0
1	42.25		T1376	Conduct Hazards Assessment	\$400,000	\$0
2	47.4	EP-2-2		Stanford Linear Accelerator Center does not have implementing procedures that contain the detailed actions and specific instructions needed to carry out the Emergency Preparedness Plan as required by DOE 5500.3A.		
2	47.4		T1373	Develop Emergency Management Program	\$189,000	\$0
2	47.4		T1396	Develop Emergency Plan Implementing Proc.(EIPs)	\$66,000	\$10,000
2	44.316	EP-3-1		Stanford Linear Accelerator Center has not established a formal training program for emergency response personnel as required by DOE 5500.3A.		
2	44.316		T1398	Develop Emergency Management Training Program	\$170,000	\$50,000
2	44.316		T1399	Develop Emergency Exercise Program	\$290,000	\$125,000
2	38	EP-4-1		Stanford Linear Accelerator Center does not have a program of drills and exercises as required by DOE 5500.1B and DOE 5500.3A.		
2	38		T1399	Develop Emergency Exercise Program	\$290,000	\$125,000
2	28	EP-5-1		The Stanford Linear Accelerator Center Emergency Operations Center does not comply with the requirements of DOE 5500.3A.		
2	28		T1402	Upgrade Emergency Operations Center	\$40,000	\$0
2	30	EP-6-1		Stanford Linear Accelerator Center has no procedures for assessing the consequences of an emergency involving hazardous materials or procedures for determining an emergency class based on emergency action levels as required by DOE 5500.3A.		
2	30		T1373	Develop Emergency Management Program	\$189,000	\$0
2	31	EP-6-2		Stanford Linear Accelerator Center has not established a method for prompt initial notification of emergency response personnel and for initial and followup notifications to offsite organizations as required by DOE 5500.3A.		
2	31		T1373	Develop Emergency Management Program	\$189,000	\$0

FISCAL YEAR 1992												FISCAL YEAR 1993												FISCAL YEAR 1994												FISCAL YEAR 1995												FISCAL YEAR 1996											
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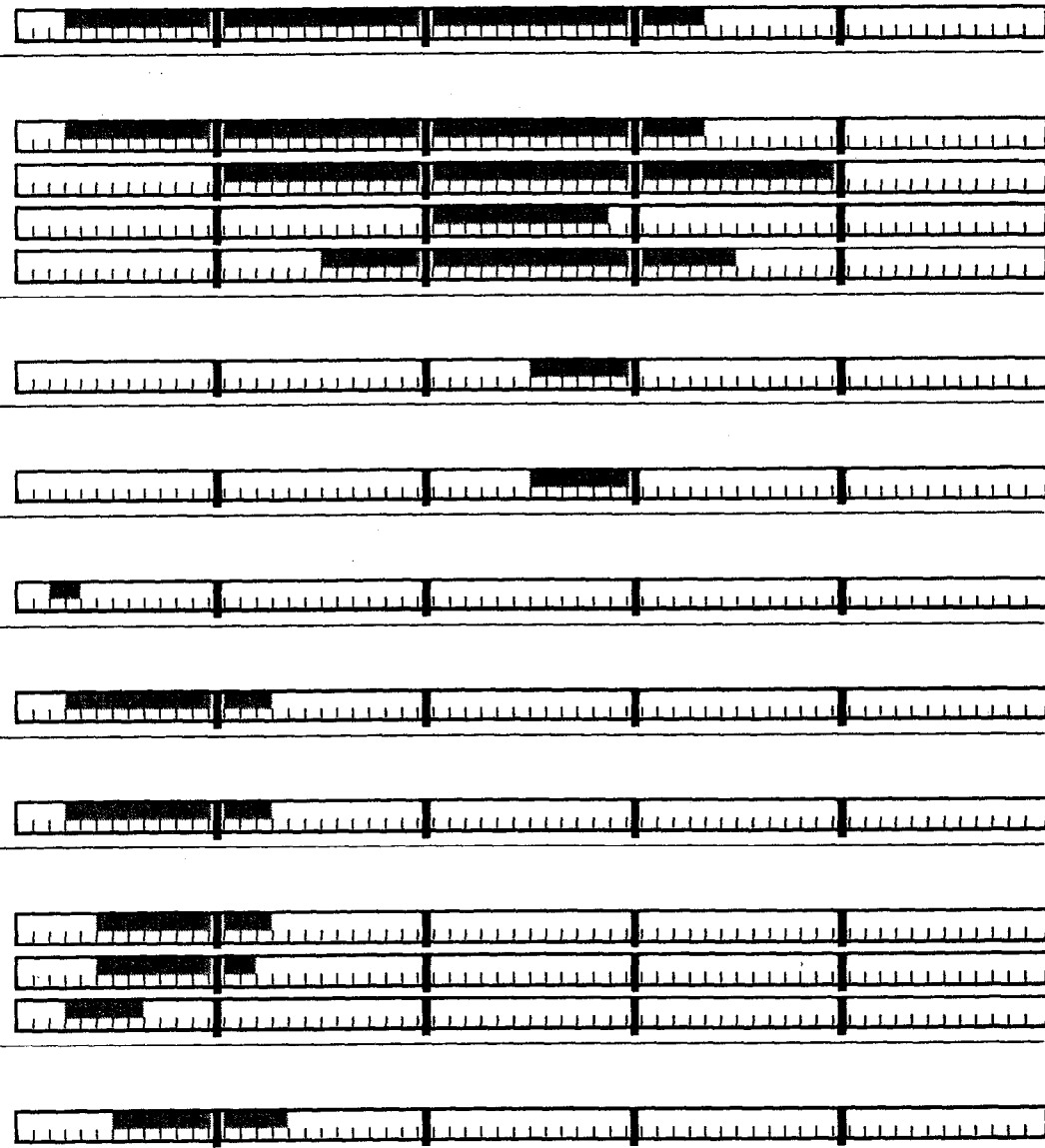


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2	27	EP-8-3		Stanford Linear Accelerator Center has not established an emergency public information program consistent with the requirements of DOE 5500.3A and 5500.4.		
2	27		T1373	Develop Emergency Management Program	\$189,000	\$0
2	55.429	EP-7-1		An effective method for personnel accountability is not in place as required by DOE 5500.3A.		
2	55.429		T1373	Develop Emergency Management Program	\$189,000	\$0
2	55.429		T1396	Develop Emergency Plan Implementing Proc.(EPIPs)	\$66,000	\$10,000
2	55.429		T1398	Develop Emergency Management Training Program	\$170,000	\$50,000
2	55.429		T1399	Develop Emergency Exercise Program	\$290,000	\$125,000
2	52	PT.1-1		Stanford Linear Accelerator Center has not developed a program or procedures to ensure shipments comply with DOE 1540.1, DOE 1540.2 and DOE 5480.3, and applicable DOT and EPA regulations.		
2	52		T1239	Develop Guidance on Hazardous Transportation	\$15,000	\$0
3	28	PT.1-2		Stanford Linear Accelerator Center has no transportation safety manual for onsite transfers.		
2	28		T1239	Develop Guidance on Hazardous Transportation	\$15,000	\$0
2	30	PT.1-3		Hazardous waste data for the DOE Shipment Mobility/Accountability Concept system is not reported at the frequency required by DOE 1540.1, Chapter 1, Section 10.b.		
2	30		T1008	Develop Procedure for SMAC Reporting	\$1,000	\$0
3	43	PT.2-1		Training requirements for the job functions of packaging and transportation personnel have not been established, and existing training is not documented.		
2	43		T1409	Develop ES&H Training Plan	\$60,000	\$50,000
3	47.4	PT.2-2		Regulatory compliance training provided by offsite contractors for Stanford Linear Accelerator Center packaging and transportation personnel is not effective.		
2	47.4		T1409	Develop ES&H Training Plan	\$60,000	\$50,000
2	33	PT.3-1		The Quality Assurance audits of packaging and transportation operations have not been performed as required by DOE 5480.3 to meet the guidelines of DOE 5700.6B.		
1	33		T1293	Develop Comprehensive Audit Plan for ES&H Act.	\$20,000	\$0
2	33		T1294	Define Audit Roles & Responsibilities	\$5,000	\$0
2	33		T1295	Develop a Detailed Procedure for Audits	\$7,000	\$0
2	28	PT.3-2		There is no documented program of packaging vendor qualification and no verification that packagings meet DOT specifications as required by DOE 5480.3, Sections 9.a and b.		
2	28		T1005	Write Procedure for Qualifying Vendors	\$5,000	\$0

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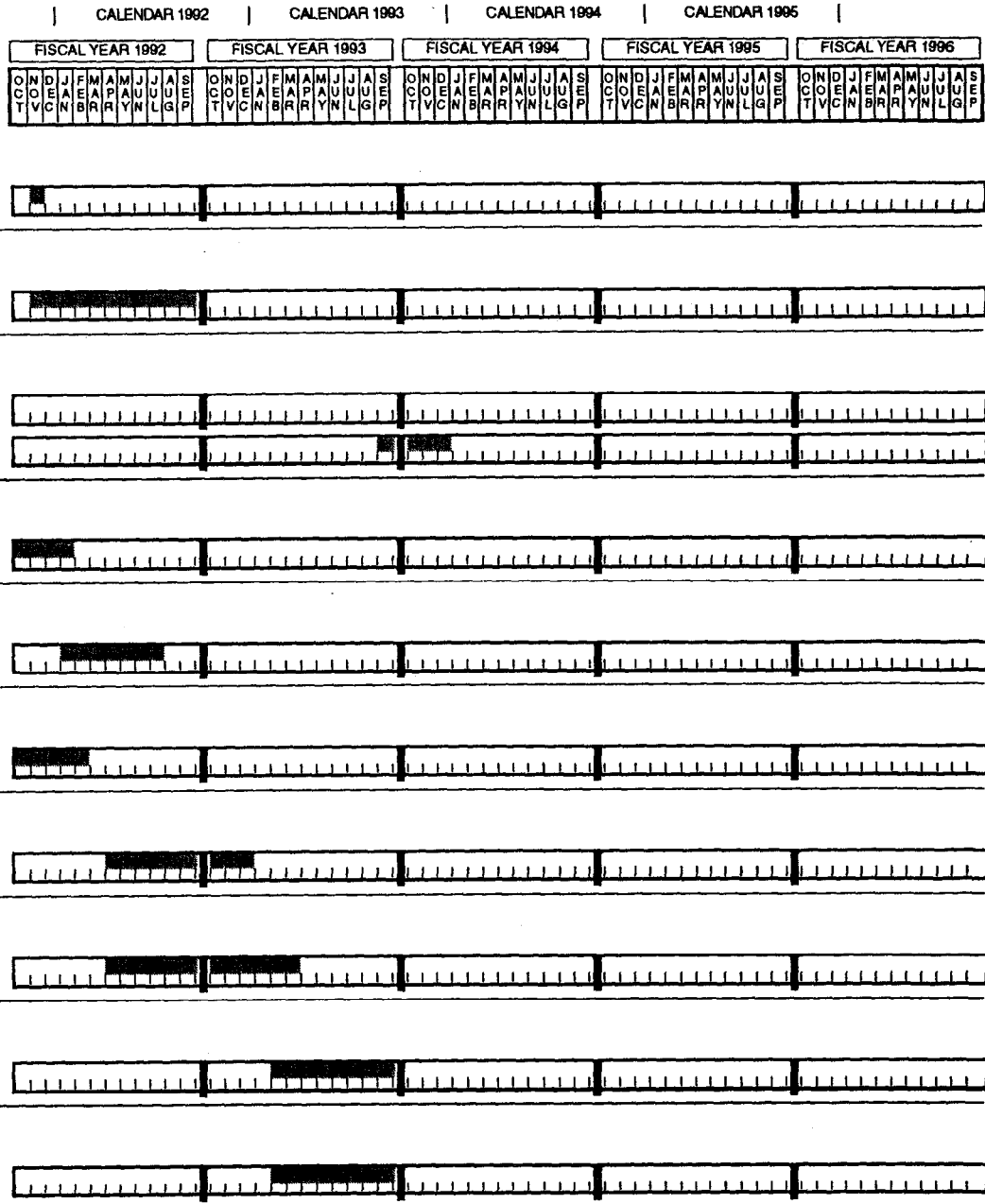




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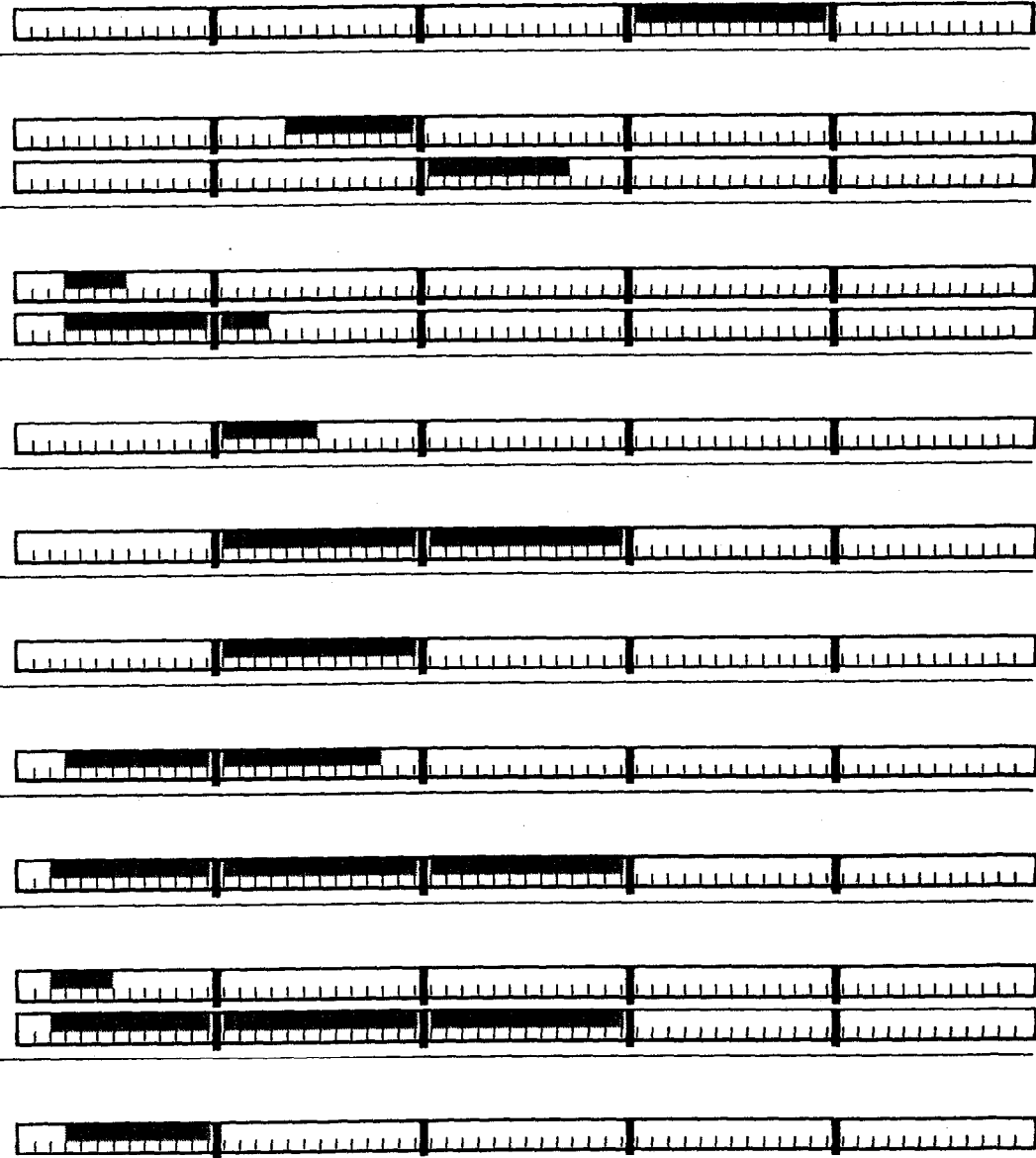
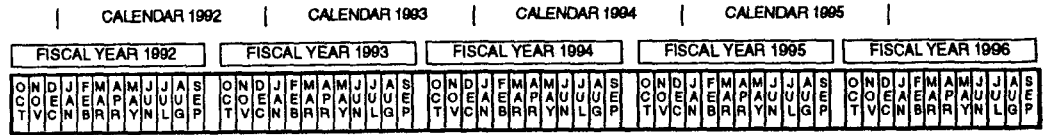
DOE Priority	Camp Priority	Concern Finding	Task ID	Description	Implementation Cost	Ongoing Cost	Total Cost
2	61.5	PT.4-1		The Stanford Linear Accelerator Center does not provide 24-hour emergency contact that meets the requirements of 49 CFR 172.604.			
2	61.5		T1014	Emergency Response for Hazardous Material Shipment	\$3,000	\$2,000	\$5,000
3	58.714	PT.6-1		The absence of proper vehicle maintenance at the Stanford Linear Accelerator Center compromises vehicle safety.			
3	58.714		T1092	Review Records and Schedule Vehicle Maintenance	\$12,000	\$0	\$12,000
3	48.6	PT.6-2		There are no safety and accountability procedures to ensure that all radioisotopes brought onsite are inventoried.			
3	48.6		T1323	Develop Procedure for Rad. Sources Brought Onsite	\$10,000	\$0	\$10,000
3	48.6		T1325	Provide Training for Radioactive Source Handling	\$9,000	\$0	\$9,000
4	9	PT.8-1		The Department of Energy, San Francisco Operation Office did not inform the Stanford Linear Accelerator Center of the Department of Transportation interpretation regarding public roads as requested by the Department of Energy Headquarters.			
4	9		T1423	Implement New SF/EPWM Branch	\$0	\$0	\$0
2	58.714	PT.9-1		Shipping papers are not prepared in accordance with 49 CFR 172.			
2	58.714		T1004	Prepare Procedure for Hazardous Waste Manifests	\$5,000	\$0	\$5,000
3	9	PT.11-1		The Department of Energy San Francisco Operation Office does not have a formal program to appraise packaging and transportation safety as required by DOE 5482.1B, Section 8.#2, and DOE 5480.3, Section 6.c.5.			
3	9		T1417	Hazardous Materials Transportation Appraisals	\$0	\$0	\$0
2	62.625	PT.12-1		Packaging and storage of hazardous waste is not conducted in compliance with DOT regulations of 49 CFR 177, Subparts B, C, and D.			
1	62.625		T1265	Revise Haz. Waste Packaging & Storage Procedures	\$10,000	\$0	\$10,000
2	33	EA.1-1		No disciplined system is in place to ensure that all experimenters are given health and safety training and indoctrination as required by DOE 5480.11, Section 9.0, and DOE 5480.10, Section 9.b.5.			
2	33		T1316	Provide Experimenter Safety Training	\$50,000	\$0	\$50,000
2	26.8	FR.2-1		Stanford Linear Accelerator Center's safety review process does not include all elements required by DOE 5482.1B.			
2	26.8		T1314	Revise Safety Review Policy	\$35,000	\$0	\$35,000
2	41.5	FR.2-2		There is no formal mechanism to ensure all facility modifications and experiments receive appropriate safety reviews, as required by DOE Order 5482.1B.			
2	41.5		T1314	Revise Safety Review Policy	\$35,000	\$0	\$35,000



SLAC/SSRL CORRECTIVE ACTION PLAN:  
 MASTER SCHEDULE AND COST SUMMARY FOR ALL TASKS

>> SORTED BY TIGER TEAM ORDER <<

DOE Priority	Camp Priority	Concern Finding	Task ID	Description	Implementation Cost	Ongoing Cost
3	29.875	FR.4-1		Periodic, comprehensive operating reviews of the facility are not performed.		
3	29.875		T1336	Perform Regular Operating Reviews	\$25,000	\$70,000
2	26.2	FR.5-1		A triennial appraisal to assess the effectiveness of the Stanford Linear Accelerator Center safety review system has not been performed although required by DOE 5482.1B.		
2	26.2		T1314	Revise Safety Review Policy	\$35,000	\$0
2	26.2		T1337	Perform Triennial Review System Appraisals	\$75,000	\$0
2	26.2	FR.6-1		Several corrective actions resulting from the investigation of unusual occurrences have not been implemented in a timely manner as required by DOE 5000.3A.		
2	26.2		T1132	Close Out Occurrence Reports Cited in FR.6-1	\$2,000	\$0
2	26.2		T1133	Improve Timeliness of Filing Final REP. DOE 5000.3A	\$10,000	\$0
3	41.5	FR.6-2		Corrective actions resulting from the investigation of some unusual occurrences have not been effective in correcting the root causes of the events.		
3	41.5		T1131	Implement Training in Root Cause Analysis	\$30,000	\$5,000
4	28	FR.6-3		The Stanford Linear Accelerator Center has not established a program for using industry experience to improve facility safety.		
4	28		T1129	Develop Operating Experience Information System	\$10,000	\$5,000
2	30	RP.2-1		The frequency and scope of the internal audits of the Radiation Protection Program do not comply with DOE 5480.11, Section 9.r, and DOE 5482.1B, Section 9.d.		
2	30		T1220	Establish Radiation Protection Audit Program	\$23,000	\$20,000
2	60	RP.3-1		The documented radiation protection policy is not consistent with the requirements of DOE 5480.11.		
2	60		T1091	Revise Radiation Protection Policy	\$25,000	\$0
2	40	RP.3-2		Radiation protection procedures are incomplete and inconsistent with the requirements of DOE 5480.11.		
2	40		T1107	Develop Radiation Protection Procedures	\$160,000	\$0
2	40	RP.3-3		Posting of radiological controlled areas and labeling of radioactive material are not consistent with the requirements of DOE 5480.11, Section 9.k.		
2	40		T1100	Restrict Access to Klystrons	\$10,000	\$0
2	40		T1107	Develop Radiation Protection Procedures	\$160,000	\$0
2	40	RP.3-4		An accurate inventory of radioactive sources is not maintained and is not consistent with all applicable elements of ANSI N542.		
2	40		T1321	Develop Radioactive Source Inventory Program	\$15,000	\$0



**SLAC/SSRL CORRECTIVE ACTION PLAN:  
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DOE Priority	Camp Priority	Concern Finding	Task ID	Description	CALENDAR 1992												CALENDAR 1993												CALENDAR 1994												CALENDAR 1995												CALENDAR 1996											
					FISCAL YEAR 1992				FISCAL YEAR 1993				FISCAL YEAR 1994				FISCAL YEAR 1995				FISCAL YEAR 1996				FISCAL YEAR 1992				FISCAL YEAR 1993				FISCAL YEAR 1994				FISCAL YEAR 1995				FISCAL YEAR 1996																							
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2	40	RP.3-5		Radiological protection controls for x-ray generating devices are not in full compliance with DOE 5480.11, the mandatory standards in DOE 5480.4, Attachment 1, Item 2.d.1, and DOE 5482.1B, Section 9.d.																																																												
2	40		T1107	Develop Radiation Protection Procedures Implementation Cost: \$160,000 Ongoing Cost: \$0	██████████												██████████												██████████												██████████												██████████											
1	60	RP.4-1		The posting and external radiation exposure controls at the calibration facility do not comply with DOE 5480.11.																																																												
1	60		T1270	Revise Calibration Facility Exposure Controls Implementation Cost: \$25,000 Ongoing Cost: \$0	██████████												██████████												██████████												██████████												██████████											
2	60	RP.5-1		The whole body dosimeter does not measure all the types and energies of radiation anticipated at the Stanford Linear Accelerator Center as required in DOE 5480.11, Section 9.g.1 and DOE 5480.15.																																																												
2	60		T1054	Review SLAC Dosimetry System Implementation Cost: \$15,000 Ongoing Cost: \$0	██████████												██████████												██████████												██████████												██████████											
2	60	RP.5-2		Stanford Linear Accelerator Center practices for whole body and extremity dosimetry are not in compliance with DOE 5480.11, Section 9.g.1.																																																												
2	60		T1114	Improve Whole Body Dosimetry Practices Implementation Cost: \$65,000 Ongoing Cost: \$0	██████████												██████████												██████████												██████████												██████████											
2	60		T1145	Improve Extremity Dosimetry Practices Implementation Cost: \$65,000 Ongoing Cost: \$0	██████████												██████████												██████████												██████████												██████████											
2	50	RP.5-3		The Personnel Dosimetry Program has not been accredited by the DOE Laboratory Accreditation Program for Personnel Dosimetry as required by DOE 5480.15 and is not in compliance with DOE 5480.11, Section 9.g.1.																																																												
2	50		T1243	Secure DOELAP Accreditation Implementation Cost: \$47,000 Ongoing Cost: \$0	██████████												██████████												██████████												██████████												██████████											
2	30	RP.5-4		The unsupervised use and unrecorded results of direct-reading pocket dosimeters negate their value and is contrary to the As Low As Reasonably Achievable ALARA policy of DOE 5480.11, Section 9.a.																																																												
2	30		T1273	Develop Policy/Procedures for Pocket Dosimeters Implementation Cost: \$10,000 Ongoing Cost: \$0	██████████												██████████												██████████												██████████												██████████											
2	60	RP.8-1		The radiation protection instrumentation program is not in compliance with the mandatory standards of DOE 5480.4, Attachment 1, Item 2.d.1 and DOE 5480.11, Section 9.g.3b.																																																												
2	60		T1230	Develop Continuous Instrument Calibration Proc. Implementation Cost: \$55,000 Ongoing Cost: \$0	██████████												██████████												██████████												██████████												██████████											
2	60		T1231	Develop Portable Instrument Calibration Program Implementation Cost: \$55,000 Ongoing Cost: \$20,000	██████████												██████████												██████████												██████████												██████████											
1	60		T1270	Revise Calibration Facility Exposure Controls Implementation Cost: \$25,000 Ongoing Cost: \$0	██████████												██████████												██████████												██████████												██████████											
1	40	RP.9-1		Stanford Linear Accelerator Center does not have sufficient air monitoring data to demonstrate compliance with DOE 5480.11, Section 9.g.3a.																																																												
2	40		T1272	Develop Air Monitoring Strategy Implementation Cost: \$10,000 Ongoing Cost: \$0	██████████												██████████												██████████												██████████												██████████											
2	40	RP.10-1		The training provided to operations personnel who perform radiation surveys is not in compliance with DOE 5480.11, Section 9.o.																																																												
2	40		T1275	Revise Radiation Survey Training Implementation Cost: \$15,000 Ongoing Cost: \$1,000	██████████												██████████												██████████												██████████												██████████											

**SLAC/SSRL CORRECTIVE ACTION PLAN:  
MASTER SCHEDULE AND COST SUMMARY FOR ALL TASKS**

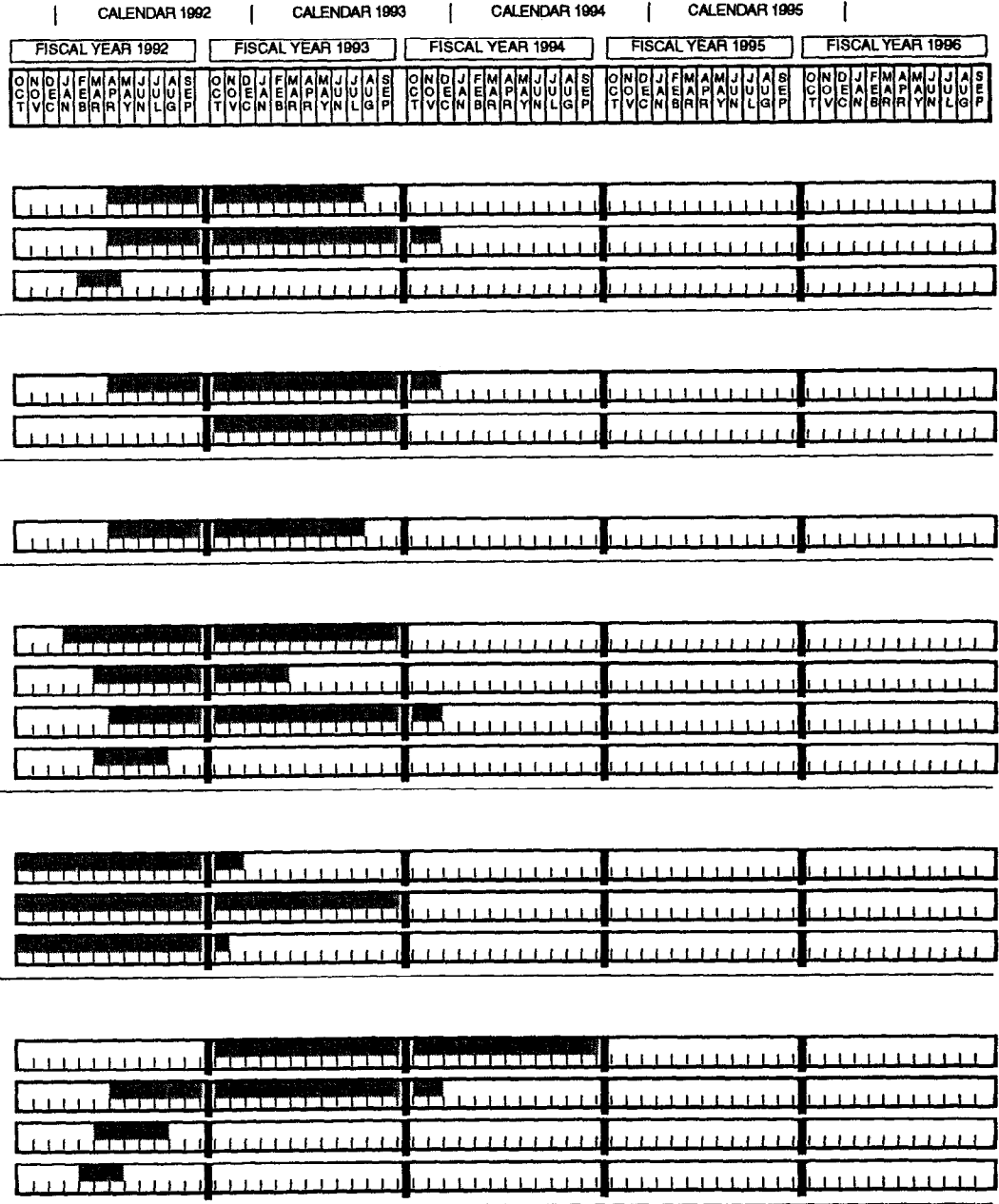
>> SORTED BY TIGER TEAM ORDER <<

DOE Priority	Camp Priority	Concern Finding	Task ID	Description	Implementation Cost		Ongoing Cost		CALENDAR 1992					CALENDAR 1993					CALENDAR 1994					CALENDAR 1995					CALENDAR 1996				
					Cost	Estimate	Estimate	Actual	Estimate	Actual	Estimate	Actual	Estimate	Actual	Estimate	Actual	Estimate	Actual	Estimate	Actual	Estimate	Actual	Estimate	Actual									
2	30	RP.11-1		The Stanford Linear Accelerator Center As Low As Reasonably Achievable ALARA Program does not comply with DOE 5480.11, Sections 9.a. and 9.m.1.																													
2	30		T1052	Revise the ALARA Program		\$35,000		\$0																									
2	30		T1273	Develop Policy/Procedures for Pocket Dosimeters		\$10,000		\$0																									
2	30	RP.12-1		Radiation exposures to visitors are not reported as required by DOE 5484.1, Change 6, Chapter IV, Section d.1.																													
2	30		T1183	Clarify Requirements for Providing Dosimetry Info.		\$2,000		\$0																									
2	35	RP.12-2		Records of previous occupational exposure are not requested as required by DOE 5480.11, Section 9.m.2.																													
2	35		T1322	Obtain Records of Previous Radiation Exposure		\$30,000		\$10,000																									
2	40	RP.12-3		Records of the radiation protection program are not maintained in accordance with the requirements of DOE 5480.11, Section 9.m.																													
2	40		T1107	Develop Radiation Protection Procedures		\$160,000		\$0																									
2	60	RP.13-1		Stanford Linear Accelerator Center does not provide Radiation Worker Training for some occupational workers entering radiological areas including High Radiation Areas as required by DOE 5480.11, Section 9.o.2.																													
2	60		T1121	Review Training for Radiological Areas		\$26,000		\$0																									
2	60		T1409	Develop ES&H Training Plan		\$80,000		\$50,000																									
2	30	RP.13-2		Documentation of Health Physics Technician Training and Radiation Worker Training is not maintained as required by DOE 5480.11, Section 9.m.5.																													
2	30		T1030	Formalize Health Physics Tech. Train. Documentation		\$15,000		\$10,000																									
2	30		T1032	Formalize Radiation Worker Training Documentation		\$15,000		\$10,000																									
2	60	RP.13-3		Retraining for Health Physics Technicians and for Radiation Workers is not being done, contrary to DOE 5480.11, Sections 9.o.2 and 3.																													
2	60		T1279	Retrain Health Physics Technicians & Rad. Workers		\$86,000		\$35,000																									
2	35	RP.13-4		The scope of the Health Physics Technician Training Program does not include all of the elements required by DOE 5480.11, Section 9.o.3.																													
2	35		T1124	Develop Health Physics Technician Training Plan		\$82,000		\$0																									
2	56.714	PP.1-1		Stanford Linear Accelerator Center does not ensure the implementation of the personnel protection programs that effectively maintain the workplace free of health and safety concerns, as required by DOE 5480.4, DOE 5480.10, 29 CFR 1910, and others.																													
2	56.714		T1335	Integrate Personnel Protection Program		\$110,000		\$40,000																									
2	56.714		T1414	Increase Industrial Hygiene Staffing		\$40,000		\$70,000																									

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DOE Priority	Camp Priority	Concern Finding	Task ID					
2	47.4	PP.1-2		Necessary industrial hygiene information is not readily communicated to Stanford Linear Accelerator Center management, and to all segments of the organization as required by DOE 5480.8 and DOE 5480.10, Section b.1.				
2	47.4		T1018	Formalize Industrial Hygiene RRAs	Implementation Cost:	\$30,000	Ongoing Cost:	\$0
2	47.4		T1335	Integrate Personnel Protection Program	Implementation Cost:	\$110,000	Ongoing Cost:	\$40,000
2	47.4		T1414	Increase Industrial Hygiene Staffing	Implementation Cost:	\$40,000	Ongoing Cost:	\$70,000
2	47.4	PP.1-3		Stanford Linear Accelerator Center Management does not establish specific goals and objectives for reducing the frequency and severity of occupational accidents, injuries, and illnesses and does not comply with DOE 5480.10, DOE 5482.1B, and DOE 5480.19.				
2	47.4		T1335	Integrate Personnel Protection Program	Implementation Cost:	\$110,000	Ongoing Cost:	\$40,000
2	47.4		T1358	Establish Measurable Health and Safety Objectives	Implementation Cost:	\$10,000	Ongoing Cost:	\$0
2	57.571	PP.2-1		Stanford Linear Accelerator Center's policies and management directives do not define the lines of authority and management responsibility for the control and support of occupational health and safety hazards as required by DOE 5480.10, and DOE 5482.1B.				
2	57.571		T1018	Formalize Industrial Hygiene RRAs	Implementation Cost:	\$30,000	Ongoing Cost:	\$0
3	42.25	PP.2-2		Stanford Linear Accelerator Center has not effectively closed out identified health and safety deficiencies.				
2	42.25		T1361	Implement a Corrective Action Management System	Implementation Cost:	\$260,000	Ongoing Cost:	\$160,000
2	42.25		T1176	Revise SLAC Hazard Communication Program	Implementation Cost:	\$100,000	Ongoing Cost:	\$10,000
2	42.25		T1335	Integrate Personnel Protection Program	Implementation Cost:	\$110,000	Ongoing Cost:	\$40,000
2	42.25		T1345	Institute Regular IH Monitoring	Implementation Cost:	\$7,000	Ongoing Cost:	\$0
3	9	PP.2-3		The Department of Energy, San Francisco Operations Office has not consistently enforced the requirements of DOE 5482.1B and DOE 5480.10 at the Stanford Linear Accelerator Center to ensure identified health and safety non-compliances are corrected.				
3	9		T1425	Develop Oversight Plan	Implementation Cost:	\$0	Ongoing Cost:	\$0
3	9		T1428	Develop SSO Corrective Action Tracking System	Implementation Cost:	\$0	Ongoing Cost:	\$0
3	9		T1429	Close-out Past Appraisal Recommendations	Implementation Cost:	\$0	Ongoing Cost:	\$0
2	59.974	PP.3-1		The Stanford Linear Accelerator Center does not have a documented program for identifying, evaluating, and controlling occupational safety and health hazards as required by DOE 5480.10, DOE 5480.1B, and DOE 5480.4.				
2	59.974		T1311	Develop Hazardous Materials Management System	Implementation Cost:	\$190,000	Ongoing Cost:	\$40,000
2	59.974		T1335	Integrate Personnel Protection Program	Implementation Cost:	\$110,000	Ongoing Cost:	\$40,000
2	59.974		T1345	Institute Regular IH Monitoring	Implementation Cost:	\$7,000	Ongoing Cost:	\$0
2	59.974		T1414	Increase Industrial Hygiene Staffing	Implementation Cost:	\$40,000	Ongoing Cost:	\$70,000



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MASTER SCHEDULE AND COST SUMMARY FOR ALL TASKS**

>> SORTED BY TIGER TEAM ORDER <<

CALENDAR 1992 | CALENDAR 1993 | CALENDAR 1994 | CALENDAR 1995 |

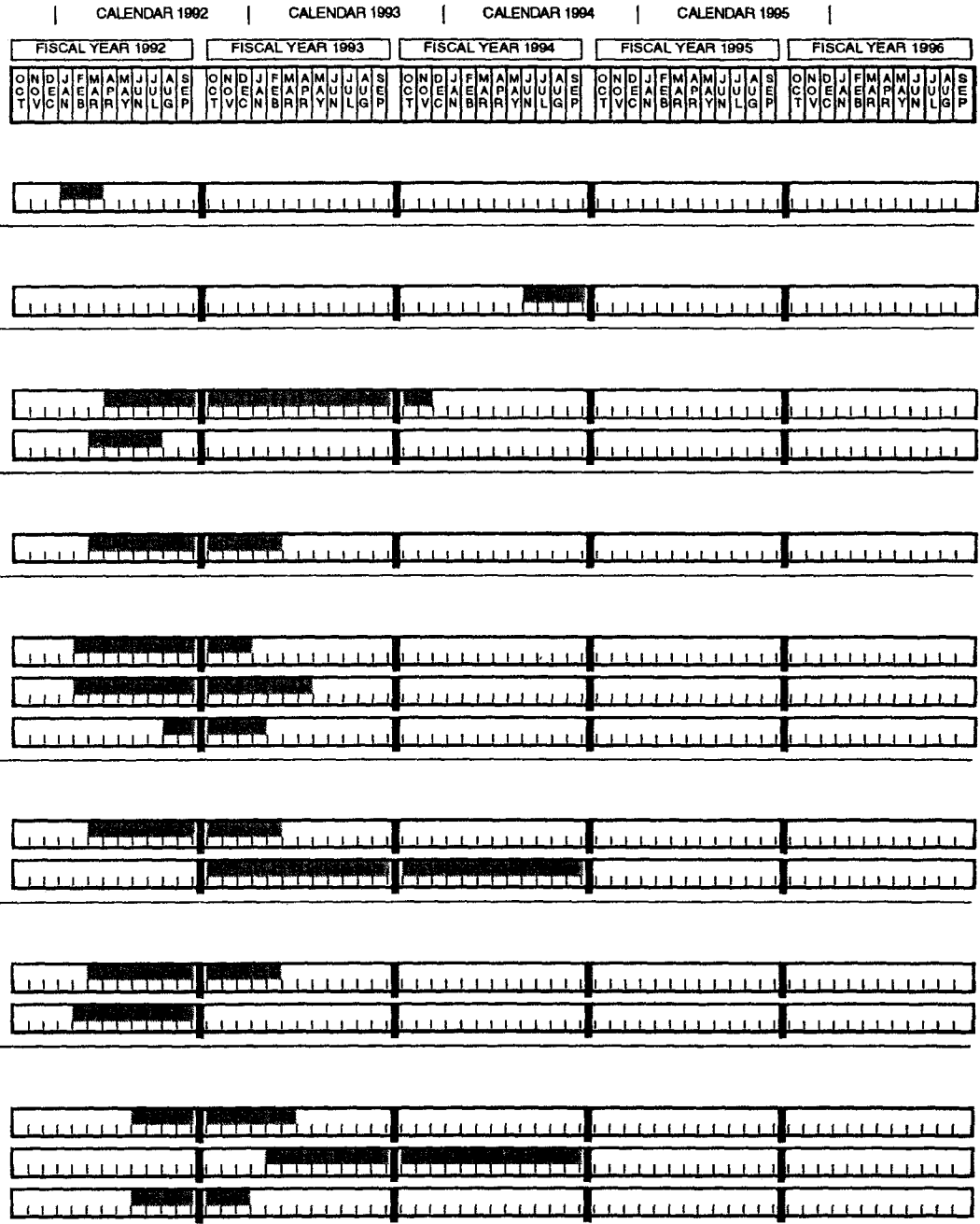
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Y	N	L	G	P	Y	N	L	G	P	Y	N	L	G	P	Y	N	L	G	P	Y	N	L	G	P
N	A	S	P	R	N	A	S	P	R	N	A	S	P	R	N	A	S	P	R	N	A	S	P	R

DOE Priority	Camp Priority	Concern Finding	Task ID	Description	Implementation Cost	Ongoing Cost	1992	1993	1994	1995	1996
2	60.923	PP.3-2		Periodic walk-through surveys of the workplace are not regularly performed to identify potential health and safety hazards, as required in 29 CFR 1910.94 and DOE 5481.1B, Section 9.d.2e.							
2	60.923		T1084	Create Guidance Documents for Various Inspectors Implementation Cost: \$40,000	Ongoing Cost: \$20,000						
2	60.923		T1067	Add ES&H Personnel to Increase Surveillance Implementation Cost: \$75,000	Ongoing Cost: \$75,000						
2	60.923		T1224	Establish ES&H RRA's for Job Classes Implementation Cost: \$100,000	Ongoing Cost: \$0						
2	60.923		T1345	Institute Regular IH Monitoring Implementation Cost: \$7,000	Ongoing Cost: \$0						
2	60.923		T1414	Increase Industrial Hygiene Staffing Implementation Cost: \$40,000	Ongoing Cost: \$70,000						
2	43	PP.4-1		The Stanford Linear Accelerator Center does not conduct regular industrial hygiene monitoring to demonstrate compliance with mandatory standards as required by DOE 5480.10, DOE 5482.1B, and DOE 5483.1A.							
2	43		T1345	Institute Regular IH Monitoring Implementation Cost: \$7,000	Ongoing Cost: \$0						
2	43		T1414	Increase Industrial Hygiene Staffing Implementation Cost: \$40,000	Ongoing Cost: \$70,000						
2	46.8	PP.5-1		Although respirators are used, the Stanford Linear Accelerator Center does not have a respiratory protection program that complies with 29 CFR 1910.134 and DOE 5480.4.							
2	46.8		T1191	Develop Respiratory Protection Program Implementation Cost: \$25,000	Ongoing Cost: \$5,000						
2	46.8		T1345	Institute Regular IH Monitoring Implementation Cost: \$7,000	Ongoing Cost: \$0						
2	46.8		T1414	Increase Industrial Hygiene Staffing Implementation Cost: \$40,000	Ongoing Cost: \$70,000						
2	53	WS.1-1		Internal safety and health compliance oversight appraisals, conducted by technically competent personnel, independent of the operation under scrutiny, are not performed as defined by DOE 5480.1B and required by DOE 5482.1B and DOE 5480.10.							
1	53		T1293	Develop Comprehensive Audit Plan for ES&H Act. Implementation Cost: \$20,000	Ongoing Cost: \$0						
2	53		T1437	Increase OSHA Compliance Staffing Implementation Cost: \$48,000	Ongoing Cost: \$72,000						
2	67	WS.1-2		The Environmental Safety and Health Division has not performed an aggressive, proactive role in addressing safety and health issues, as required by DOE 5480.10, and DOE 5483.1A.							
2	67		T1358	Establish Measurable Health and Safety Objectives Implementation Cost: \$10,000	Ongoing Cost: \$0						
2	67		T1385	Establish Divisional & Departmental ES&H RRA's Implementation Cost: \$100,000	Ongoing Cost: \$0						
2	67		T1414	Increase Industrial Hygiene Staffing Implementation Cost: \$40,000	Ongoing Cost: \$70,000						
2	67		T1437	Increase OSHA Compliance Staffing Implementation Cost: \$48,000	Ongoing Cost: \$72,000						
2	56.714	WS.2-1		Overall safety and health performance at the Stanford Linear Accelerator Center is not routinely measured to evaluate the effectiveness of control and does not comply with the requirements of DOE 5480.10 and DOE 5482.1B.							
2	56.714		T1335	Integrate Personnel Protection Program Implementation Cost: \$110,000	Ongoing Cost: \$40,000						
2	56.714		T1358	Establish Measurable Health and Safety Objectives Implementation Cost: \$10,000	Ongoing Cost: \$0						
2	56.714		T1414	Increase Industrial Hygiene Staffing Implementation Cost: \$40,000	Ongoing Cost: \$70,000						

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DOE Priority	Camp Priority	Concern Finding	Task ID	Description	Implementation Cost	Ongoing Cost	Final Cost
2	56.714	WS.2-2		Recording and reporting of occupational injuries and illnesses at the Stanford Linear Accelerator Center does not comply with 29 CFR 1904.			
2	56.714		T1282	Secure Guidance on OSHA Posting	\$1,000	Ongoing Cost:	\$0
4	30	WS.2-3		The Stanford Linear Accelerator Center safety and health program has not been effective in controlling the lost workday rate.			
4	30		T1383	Analyze SLAC LWD Experience	\$3,000	Ongoing Cost:	\$0
2	57.143	WS.3-1		The implementation of the industrial hygiene program does not comply with substantive requirements mandated by DOE 5480.4, DOE 5480.10 and DOE 5482.1B.			
2	57.143		T1335	Integrate Personnel Protection Program	\$110,000	Ongoing Cost:	\$40,000
2	57.143		T1345	Institute Regular IH Monitoring	\$7,000	Ongoing Cost:	\$0
2	62.25	WS.3-2		The Stanford Linear Accelerator Center Hazard Communication Program does not comply with the requirements of 29 CFR 1910.1200.			
2	62.25		T1176	Revise SLAC Hazard Communication Program	\$100,000	Ongoing Cost:	\$10,000
2	67.333	WS.3-3		The Stanford Linear Accelerator Center does not have a confined space entry program that complies with DOE 5480.4 and ANSI Z117.1.			
2	67.333		T1172	Inventory Confined Space Hazards	\$25,000	Ongoing Cost:	\$5,000
2	67.333		T1177	Develop Confined Space Entry Permit Program	\$10,000	Ongoing Cost:	\$0
2	67.333		T1178	Develop Confined Space Training Program	\$12,000	Ongoing Cost:	\$0
2	42.25	WS.3-4		Stanford Linear Accelerator Center does not have a system to control the procurement, inventory, and use of hazardous chemicals as required by DOE 5480.10.			
2	42.25		T1176	Revise SLAC Hazard Communication Program	\$100,000	Ongoing Cost:	\$10,000
2	42.25		T1311	Develop Hazardous Materials Management System	\$190,000	Ongoing Cost:	\$40,000
2	57.143	WS.4-1		Means of egress are not marked and maintained to permit a continuous and unobstructed exit as required by 29 CFR 1910, Subpart E.			
2	57.143		T1025	Modify ES&H Manual on Means of Egress	\$7,000	Ongoing Cost:	\$0
2	57.143		T1235	Initiate Fire Loss Surveys	\$12,000	Ongoing Cost:	\$8,000
2	56.714	WS.4-2		Guarding of floor openings, walkways, and aisles does not comply with 29 CFR 1910, Subpart D.			
2	56.714		T1023	Survey Site to Identify Elevated Work Stations	\$12,000	Ongoing Cost:	\$0
2	56.714		T1060	Guard Elevated Work Station	\$30,000	Ongoing Cost:	\$0
2	56.714		T1062	Review Elevated Workplace Guarding	\$3,000	Ongoing Cost:	\$0



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CALENDAR 1992 | CALENDAR 1993 | CALENDAR 1994 | CALENDAR 1995

FISCAL YEAR 1992				FISCAL YEAR 1993				FISCAL YEAR 1994				FISCAL YEAR 1995				FISCAL YEAR 1996			
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C	E	A	F	C	E	A	F	C	E	A	F	C	E	A	F	C	E	A	F
T	V	C	N	T	V	C	N	T	V	C	N	T	V	C	N	T	V	C	N

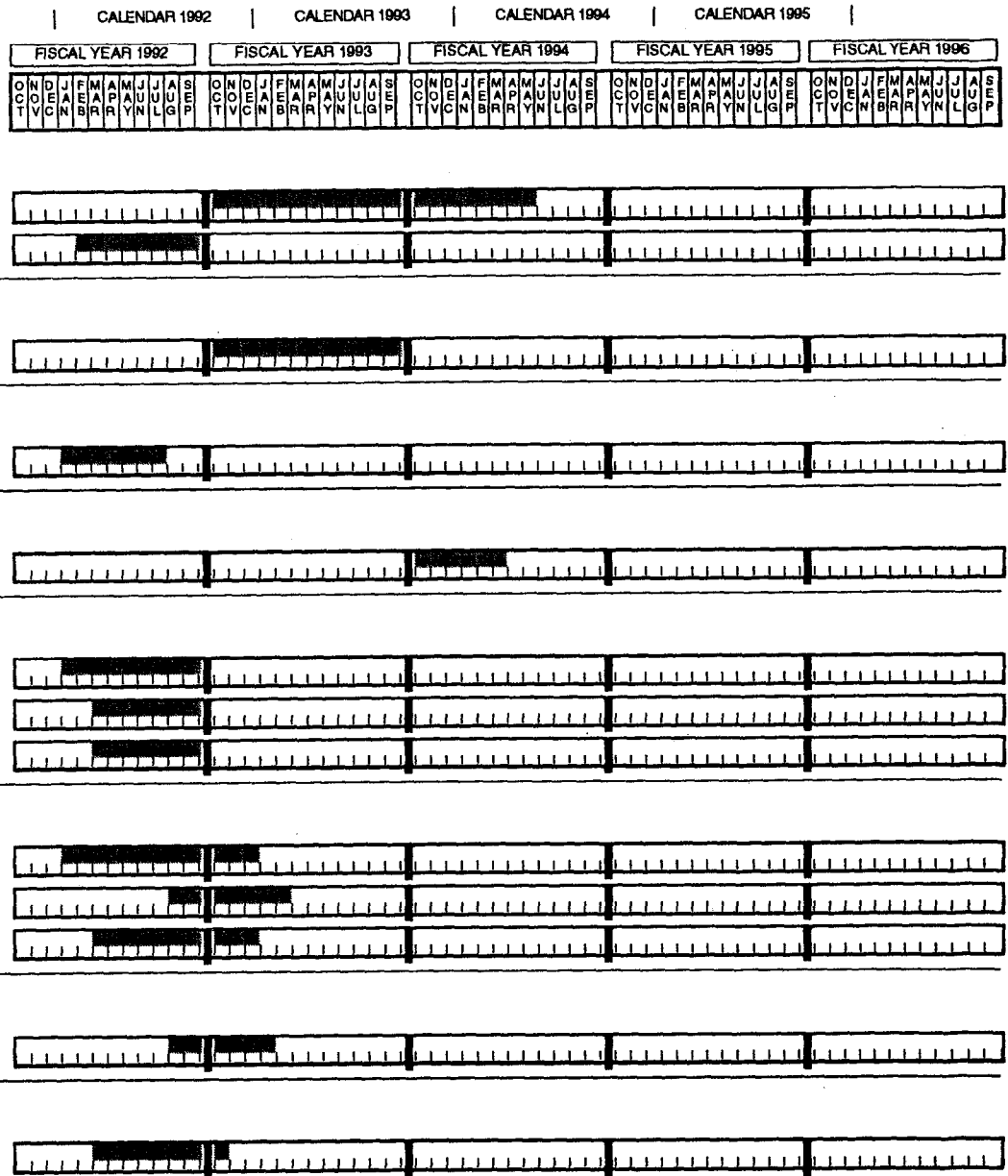
DOE Priority	Camp Priority	Concern Finding	Task ID	Description	Implementation Cost	Ongoing Cost	1992	1993	1994	1995	1996
2	60.368	WS.4-3		Machine guarding is not universally in place for equipment as required by 29 CFR 1910, Subpart O.							
2	60.368		T1296	Develop Machine Safety Program Implementation Cost: \$90,000	Ongoing Cost: \$0						
2	60.368		T1297	Install Machine Guards Implementation Cost: \$150,000	Ongoing Cost: \$100,000						
2	62.25	WS.4-4		Stanford Linear Accelerator Center does not comply with the electrical requirements of 29 CFR 1910, Subpart S.							
2	62.25		T1256	Review and Remedy Electrical Compliance Issues Implementation Cost: \$335,000	Ongoing Cost: \$130,000						
2	59.027	WS.4-5		Storage and labeling of flammable and combustible liquids, and design and construction of spray rooms at the Stanford Linear Accelerator Center do not comply with 29 CFR 1910.106 and 29 CFR 1910.107, respectively.							
2	59.027		T1176	Revise SLAC Hazard Communication Program Implementation Cost: \$100,000	Ongoing Cost: \$10,000						
2	59.027		T1233	Survey & Correct Flammable Liquids Handling Implementation Cost: \$20,000	Ongoing Cost: \$0						
2	55	WS.6-1		Communications to employees at Stanford Linear Accelerator Center regarding asbestos, lead and formaldehyde does not comply with 29 CFR 1910.1001, 29 CFR 1910.1025, and 29 CFR 1910.1048.							
2	55		T1028	Notify Lead-Exposed Employees Implementation Cost: \$2,000	Ongoing Cost: \$0						
2	55		T1176	Revise SLAC Hazard Communication Program Implementation Cost: \$100,000	Ongoing Cost: \$10,000						
2	20	FP.1-1		The Stanford Linear Accelerator Center does not have a complete description and published plan to coordinate activities of the three onsite fire protection organizations.							
2	20		T1164	Develop Fire Protection Manual Implementation Cost: \$80,000	Ongoing Cost: \$50,000						
2	20		T1223	Clarify Inter-relationships of RRA's Implementation Cost: \$10,000	Ongoing Cost: \$0						
2	30	FP.2-1		The Stanford Linear Acceleration Center does not ensure its facilities comply with the provisions of NFPA 101 as required by DOE 5480.2.							
2	30		T1235	Initiate Fire Loss Surveys Implementation Cost: \$12,000	Ongoing Cost: \$8,000						
2	30		T1434	Conduct Baseline Life Safety Survey Implementation Cost: \$40,000	Ongoing Cost: \$30,000						
2	36	FP.3-1		Stanford Linear Accelerator Center has not reviewed the potential of toxic and hazardous exposure to the public from runoff of fire-fighting water as required by DOE 5480.7.							
2	36		T1235	Initiate Fire Loss Surveys Implementation Cost: \$12,000	Ongoing Cost: \$8,000						
2	25	FP.5-1		The lack of automatic sprinkler protection in the Klyetron Gallery makes for a loss potential exceeding the limits expressed in DOE 5480.7.							
2	25		T1019	Request Klyetron Gallery Fire Protection Exemption Implementation Cost: \$174,500	Ongoing Cost: \$0						



**SLAC/SSRL CORRECTIVE ACTION PLAN:  
MASTER SCHEDULE AND COST SUMMARY FOR ALL TASKS**

>> SORTED BY TIGER TEAM ORDER <<

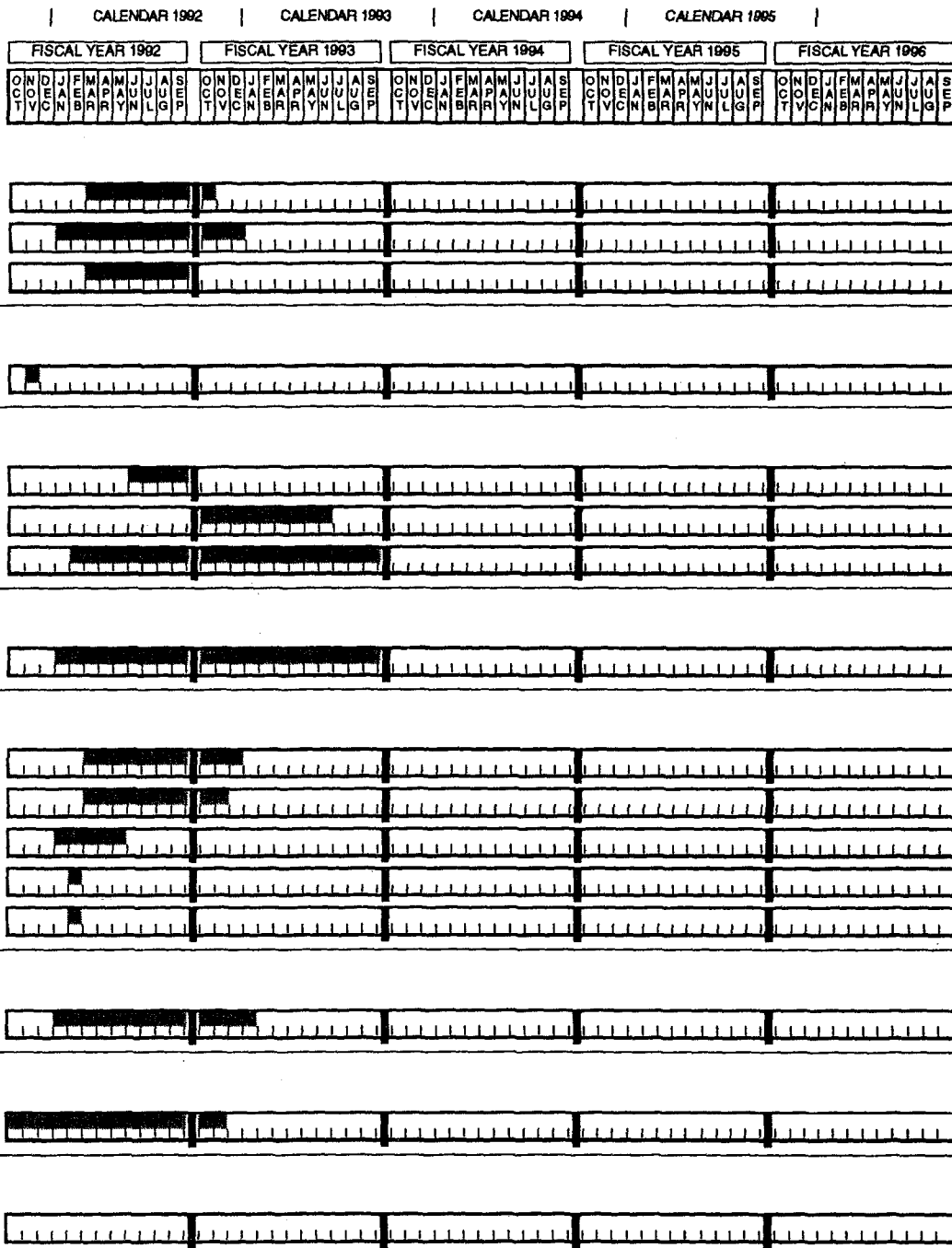
DOE Priority	Camp Priority	Concern Finding	Task ID	Description	Implementation Cost	Ongoing Cost
2	25	FP.7-1		Maintenance, testing, and management of impairments to the Fire Protection Systems do not comply with DOE 5480.7.		
2	25		T1164	Develop Fire Protection Manual Implementation Cost: \$80,000	\$80,000	Ongoing Cost: \$50,000
2	25		T1235	Initiate Fire Loss Surveys Implementation Cost: \$12,000	\$12,000	Ongoing Cost: \$8,000
2	45	MS.1-1		The staffing level in the Stanford Linear Accelerator Center Medical Department does not meet current and anticipated needs and does not conform to the guidelines of DOE 5480.8.		
2	45		T1040	Supplement Medical Department Resources Implementation Cost: \$65,000	\$65,000	Ongoing Cost: \$60,000
2	45	MS.1-2		The Physician at the Stanford Linear Accelerator Center does not report at a senior level to ensure program effectiveness by having direct access to top management as required by DOE 5480.8.		
2	45		T1042	Change Reporting Relationship of Physician Implementation Cost: \$2,000	\$2,000	Ongoing Cost: \$0
2	40	MS.3-1		The medical examination and evaluation programs at Stanford Linear Accelerator Center are not conducted as required by DOE 5480.8.		
2	40		T1034	Re-evaluate Medical Examination Program Implementation Cost: \$20,000	\$20,000	Ongoing Cost: \$0
2	66	MF-1		SLAC does not have a strategic and subordinate implementation planning process that integrates ES&H and programmatic goals into its mission to define, guide, and prioritize the accomplishment of its ES&H and programmatic objectives.		
2	66		T1196	Establish & Communicate ES&H Expectations Implementation Cost: \$2,000	\$2,000	Ongoing Cost: \$0
2	66		T1197	Integrate ES&H into Planning & Budgeting Implementation Cost: \$10,000	\$10,000	Ongoing Cost: \$0
2	66		T1198	Implement Top-Down ES&H Leadership/Overight Implementation Cost: \$7,000	\$7,000	Ongoing Cost: \$0
2	63	MF-2		Organizational ES&H roles, responsibilities, and authorities (RRAs) within and between SLAC and SSRL organizations have not been formally defined and clearly communicated and are not well understood at all levels.		
2	63		T1222	Clarify Building Manager RRA's Implementation Cost: \$50,000	\$50,000	Ongoing Cost: \$0
2	63		T1223	Clarify Inter-relationships of RRA's Implementation Cost: \$10,000	\$10,000	Ongoing Cost: \$0
2	63		T1385	Establish Divisional & Departmental ES&H RRA's Implementation Cost: \$100,000	\$100,000	Ongoing Cost: \$0
2	63	MF-3		Individual ES&H RRA's of all individuals at SLAC and SSRL have not been formally defined and clearly communicated and are not well understood.		
2	63		T1224	Establish ES&H RRA's for Job Classes Implementation Cost: \$100,000	\$100,000	Ongoing Cost: \$0
2	58	MF-4		SLAC and SSRL do not have effective ES&H human resource management programs that ensure the availability of sufficient qualified human resources for full implementation of their ES&H requirements.		
2	58		T1290	Develop Human Resources Management Plan Implementation Cost: \$20,000	\$20,000	Ongoing Cost: \$0



**SLAC/SSRL CORRECTIVE ACTION PLAN:  
MASTER SCHEDULE AND COST SUMMARY FOR ALL TASKS**

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DOE Priority	Camp Priority	Concern Finding	Task ID	Description	Implementation Cost	Ongoing Cost
2	63	MF-5		SLAC and SSRL do not have an effective ES&H training program to ensure that all staff are appropriately trained and qualified to perform their ES&H duties, and SLAC and SSRL do not possess the present capability to establish such a program.		
2	63		T1290	Develop Human Resources Management Plan Implementation Cost: \$20,000	Ongoing Cost: \$0	
2	63		T1409	Develop ES&H Training Plan Implementation Cost: \$60,000	Ongoing Cost: \$50,000	
2	63		T1411	Review Subcontractor Training Policy Implementation Cost: \$15,000	Ongoing Cost: \$10,000	
2	59.714	MF-6		SLAC and SSRL do not have a formal system for the receipt, distribution, control, and implementation of official DOE correspondence, including DOE Orders, Secretary of Energy Notices (SENEs), and other DOE requirements and guidance materials.		
2	59.714		T1354	Formalize ES&H Directive System Implementation Cost: \$40,000	Ongoing Cost: \$40,000	
2	65.25	MF-7		Operations throughout the SLAC and SSRL site lack the formality required by pertinent ES&H DOE Orders and current best management practices.		
2	65.25		T1301	Establish Appropriate Level of Formality of Ops Implementation Cost: \$25,000	Ongoing Cost: \$0	
2	65.25		T1303	Provide Policy Guidance for Systems/Programs Implementation Cost: \$90,000	Ongoing Cost: \$0	
1	65.25		T1376	Conduct Hazards Assessment Implementation Cost: \$400,000	Ongoing Cost: \$0	
2	58	MF-8		An integrated site-wide corrective action management system is not in place at SLAC and SSRL to ensure corrective action and closure of ES&H findings and issues arising from reviews, assessments, and occurrence reporting.		
2	58		T1361	Implement a Corrective Action Management System Implementation Cost: \$260,000	Ongoing Cost: \$160,000	
2	58	MF-9		The program of internal independent oversight of ES&H activities by SLAC and SSRL is insufficient in frequency and scope and lacks formality, completeness, consistency, and, in some respects, independence.		
1	58		T1293	Develop Comprehensive Audit Plan for ES&H Act. Implementation Cost: \$20,000	Ongoing Cost: \$0	
2	58		T1294	Define Audit Roles & Responsibilities Implementation Cost: \$5,000	Ongoing Cost: \$0	
2	58		T1295	Develop a Detailed Procedure for Audits Implementation Cost: \$7,000	Ongoing Cost: \$0	
2	58		T1437	Increase OSHA Compliance Staffing Implementation Cost: \$48,000	Ongoing Cost: \$72,000	
2	58		T1438	Increase Environmental Compliance Staffing Implementation Cost: \$43,000	Ongoing Cost: \$65,000	
2	63	MF-10		Stanford University does not maintain a formal program of oversight of the ES&H activities at SLAC and SSRL.		
2	63		T1339	Formalize University Oversight Initiatives Implementation Cost: \$20,000	Ongoing Cost: \$0	
3	9	MF-11		The DOE Headquarters Office of Energy Research (ER) does not have a strategic and subordinate implementation planning process that integrates ES&H and programmatic objectives into their mission and defines and guides the allocation of resources and accomplishment of site-wide ES&H initiatives at SLAC and SSRL.		
0	9		T1362	Develop a Prototype ES&H Integrated POSP Implementation Cost: \$0	Ongoing Cost: \$0	
3	9	MF-12		The DOE Headquarters ER has not clearly defined, documented, or conveyed its ES&H expectations of DOE-SF.		
3	9		T1363	Develop memo of agreement defining RRAs Implementation Cost: \$0	Ongoing Cost: \$0	



**SLAC/SSRL CORRECTIVE ACTION PLAN:  
MASTER SCHEDULE AND COST SUMMARY FOR ALL TASKS**

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DOE Priority	Camp Priority	Concern Finding	Task ID	Description	Implementation Cost	Ongoing Cost	Other Cost
4	9	MF-13		The manner in which the DOE SSO is to obtain needed ES&H support services from DOE-SF is undocumented and poorly understood.			
3	9		T1425	Develop Oversight Plan	\$0	\$0	
4	9		T1430	Complete Memo. of Agreements betwn. SSO & SF div.	\$0	\$0	
3	9	MF-14		The DOE-SF has not fully implemented an effective human resource management program to ensure the availability of sufficient qualified staff to meet its SLAC and SSRL ES&H oversight responsibilities.			
3	9		T1420	Complete Training Needs Assessment	\$0	\$0	
3	9		T1421	Ensure DOE-SF Staff Rec.Core & Site-specific Train	\$0	\$0	
4	9	MF-15		The DOE ER oversight of ES&H activities at SLAC and SSRL is not sufficient in breadth, frequency, or quality to ensure full implementation of DOE's ES&H initiatives.			
4	9		T1384	Develop an ES&H Information Management Sys.	\$0	\$0	
4	9		T1431	Institute Self Assessment of Program Offices	\$0	\$0	
3	9	MF-16		DOE-SF/SSO oversight of ES&H activities at SLAC and SSRL is not sufficient in breadth, frequency, or quality to ensure full implementation of DOE's ES&H initiatives.			
3	9		T1425	Develop Oversight Plan	\$0	\$0	
3	9	MF-17		The prime contracts between DOE and the University for SLAC and SSRL do not reflect DOE's current emphasis on the importance of ES&H objectives relative to programmatic objectives.			
3	9		T1424	Reflect ES&H/QA in Prime Contract	\$0	\$0	
0	0	SA-1		The SLAC self-assessment report is of good quality. The report was thorough in its identification of specific findings and management issues in all major areas.			
0	0	SA-2		SLAC lacks a comprehensive and formalized self-assessment program, including policies, procedures, and quality assurance (QA).			
0	0		T1366	Institutionalize the Self-Assessment Effort	\$175,000	\$400,000	
0	0	SA-3		The SF/SSO self-assessment report is of acceptable quality. The SF/SSO assessment was thorough in its identification of environmental and management findings at SLAC, but less thorough in its identification of safety and health findings. SF/SSO are to be commended for including "ownership" of specific ES&H findings and concerns at SLAC within the scope of their assessment.			
4	0	SA-4		SF/SSO lack a fully implemented self-assessment program; however, several actions have recently been taken that should implement such a program.			
4	0	SA-5		ER has not fully institutionalized a self-assessment program. ER has not provided oversight of, and sufficient guidance to, SF and SLAC regarding ES&H self-assessment.			
4	0		T1431	Institute Self Assessment of Program Offices	\$0	\$0	

CALENDAR 1992												CALENDAR 1993												CALENDAR 1994												CALENDAR 1995												CALENDAR 1996											
FISCAL YEAR 1992												FISCAL YEAR 1993												FISCAL YEAR 1994												FISCAL YEAR 1995												FISCAL YEAR 1996											
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T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	Y	N	L	G	P	T	V	C	N	B	R	Y	N	L	G	P	T	V	C	N	B	R	Y	N	L	G	P	T	V	C	N	B	R	Y	N	L	G	P				

