STATE WATER RESOURCES CONTROL BOARD
RESOLUTION NO. 94-23

DIRECTING THE EXECUTIVE DIRECTOR OR HIS DESIGNEE TO APPLY FOR AND EXECUTE AN AMENDMENT TO THE SOUTH BAY MULTI-SITE COOPERATIVE AGREEMENT (MSCA) WITH THE U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA), REGION 9 FOR THE PERIOD JANUARY 1, 1994, THROUGH JUNE 1996, AND TO NEGOTIATE AND EXECUTE CONTRACTS IN SUPPORT OF THE MSCA

WHEREAS:

1. The issue of ground water contamination and the need for remedial action and cleanup in the South Bay area is of critical importance in relation to the threat this situation poses to beneficial uses of ground water, especially in regard to human health.

2. The South Bay is part of a large area where approximately 1.5 million residents rely on ground water to supply 50 percent of their drinking water.

3. The San Francisco Bay Regional Water Quality Control Board (Regional Water Board) since late 1981 has been involved in the implementation of a state effort to address water quality issues resulting from leaking underground storage tanks and poor handling practices of hazardous materials.

4. EPA, Region 9, since 1985, has awarded South Bay MSCA grants to the state for staff and other necessary resources for regulation and oversight of ground water cleanup at federal Superfund sites in the South Bay. EPA, Region 9, has requested continued cooperation from the State Water Resources Control Board (State Water Board) and the Regional Water Board by continuing the grant and funding under the MSCA program at least through June 1996. EPA, Region 9, supports amendment of the MSCA program through June 1996 at this time, conditioned upon an acceptable workplan to meet the current and probable Grant Special Conditions.

5. Regional Water Board staff has prepared a South Bay MSCA Workplan to meet the current and probable Grant Special Conditions that is suitable for submittal with an application for an EPA grant amendment to obtain funding for January 1, 1994, through June 1996. The South Bay MSCA workplan also contains proposed consultant and agency contracts of up to $100,000.

THEREFORE BE IT RESOLVED THAT:

1. The State Water Board approves the Regional Water Board's South Bay 1994-96 MSCA Workplan. If EPA funding is limited, the Workplan shall be modified to match available EPA funding with priority to cleanup actions.

2. The Executive Director or his designee is authorized to accept a South Bay MSCA grant amendment with EPA for regulation and oversight of ground water cleanup at South Bay Superfund sites.

3. The Executive Director or his designee is authorized to execute South Bay 1994-96 workplan contracts in an amount not to exceed $100,000.

CERTIFICATION

The undersigned, Administrative Assistant to the Board, does hereby certify that the foregoing is a full, true, and correct copy of a resolution duly and regularly adopted at a meeting of the State Water Resources Control Board held on March 21, 1994.

Maureen Marché
Administrative Assistant to the Board

attachment 1

Part III

MULTI-SITE COOPERATIVE AGREEMENT TASKS AND BUDGETS

The original goals of the 1985 South Bay Multi-Site Cooperative Agreement (MSCA) were:

- *To accelerate the cleanup of groundwater contaminated in the South Bay.*
- *To augment the RWQCB's existing programs to ensure that the EPA's requirements, as defined in the National Contingency Plan (NCP), are met for those NPL sites assigned to the RWQCB as lead agency; for additional sites to be recommended in the future for listing on the NPL; and, for initial work at new sites up to the point where EPA has sufficient data to rank the new sites.*
- *To acquire the data necessary to evaluate selected sites not currently proposed for inclusion on the NPL for possible future inclusion on the NPL.*
- *To evaluate the long-term and regional effects on the groundwater resource caused by the investigative and cleanup activities to be performed in the South Bay.*

The goals listed above were to be accomplished by EPA providing grant funding to support the activities of the state for coordinating and enforcing the NPL sites' groundwater cleanup programs in the South Bay. (SWRCB will receive funds from the EPA and disperse them to the RWQCB).

Attainment of all of the goals has been reduced by the available budget and rescoping the workplan to be specific to site cleanup at the Federal Superfund sites. Other tasks may be considered at a later time. Because of this, the goals for this (and the previous 1988-1992) work plan are limited to:

- *Accelerating the cleanup of contaminated groundwater at MSCA Superfund sites.*
- *Augmenting the RWQCB's existing programs to ensure that the EPA's requirements are met for those NPL sites assigned to the RWQCB as lead and support agency.*
- *Completing Remedial Investigations and Feasibility Studies, adopt a Remedial Action Plan, and implement Remedial Design/Remedial Action plans at all Regional Board - lead Superfund sites.*
- *Assuring all sites are properly operated and maintained with steady progress toward cleanup standards. Perform 5-year reviews and report to EPA. Develop and recommenda any changes to Remedial Action Plan to include minor and major changes reflecting actual successes and/or failures.*

The RWQCB has previously made the commitment to meet all requirements of the EPA for all NPL sites (e.g. NCP, policy, regulations, guidance, etc.).

The tasks and budgets proposed here are necessary for the RWQCB to meet its commitments under the current MSCA grant's Special Conditions. Table III-1 presents a summary of the total costs estimates for the tasks to be funded by this MSCA workplan. Tables III-2, III-3, and III-4 provide detailed budget information on budget time periods through June 1996.

Detailed descriptions and budgets are presented by task in the remainder of this section.

III -- MULTI-SITE COOPERATIVE AGREEMENT TASKS AND BUDGETS (cont.)

This workplan has been prepared to utilize state staff only. Contractors / consultants may also yet be utilized for those tasks that are not normally Regional Board activities or where additional assistance is needed to meet required time schedules. A $100,000 budget is proposed for this contingency in the January - June 1994 time frame. The work plan is basically a continuation of the original 1985 work plan tasks with changes made to emphasize NPL site oversight and cleanups.

TABLE III–1 Master Staff and Budget Workplan Estimate

Summary of Workplan's Distribution of Task Staff Years and Budget by Site –– 1 January 94 – 30 June 96

16:58 01–Dec

NPL SITES	TOTAL WORKPLAN STATE STAFF YEARS: Supv WRCE	Sr WRCE Geol ESIV	Assoc WRCE Geol	WRCE/ Engr Geol ESIII	Acct I (SWRCB)	Staff Svc Anal	Info Syst Tech	Off Tech	Temp Help (Stdnt)	SUB TOTAL STATE SY	SUB TOTAL IPA SY	TOTAL TASK SY	State Staff: SALARY $	FRINGE $	INDIRECT $	SPECIAL EXPENSE $	TRAVEL $	TOTAL IPA $	Cnslt IAG $	TOTAL WORKPLAN $
Lead––Regional Water Qual Cont Board																				
1 Advanced Micro Devices (Arques), Sunnv	0.05	0.15	0.36		0.02			0.03	0.03	0.65		0.65	31,278	9,384	32,900		500		3,571	77,633
2 Advanced Micro Dev–Bldg 901/902, Sunnv	0.05	0.15	0.36		0.02			0.03	0.03	0.65		0.65	31,278	9,384	32,900		500		3,571	77,633
3 Advanced Micro Devices – Bldg 915, Sunnv	0.05	0.19	0.48		0.02			0.03	0.03	0.79		0.79	38,447	11,534	40,439		500		3,571	94,492
4 Applied Materials, Santa Clara	0.05	0.15	0.36		0.02			0.03	0.03	0.65		0.65	31,278	9,384	32,900		500		3,571	77,633
5 CTS Printex, Mountain View	0.05	0.15		0.36	0.02			0.03	0.03	0.65		0.65	32,251	9,675	33,923		500		3,571	79,920
6 Fairchild, San Jose	0.05	0.22	0.34		0.02			0.03	0.03	0.69		0.69	33,586	10,076	35,326		500		3,571	83,059
7 Hewlett Packard, 1501 Pg Mill, Palo Alto	0.06	0.31	0.75	0.30	0.02			0.06	0.06	1.56		1.56	73,536	22,061	77,349	3,000	900		3,571	180,420
8 Hewlett Packard, 640 Pg Mill, Palo Alto	0.06	0.31	0.75	0.30	0.02			0.06	0.06	1.56		1.56	73,536	22,061	77,349	3,000	900		3,571	180,420
9 Hexcel, Livermore	Not a part of this workplan																			
10 Intel, Santa Clara III, Santa Clara	0.05	0.19	0.48		0.02			0.03	0.03	0.79		0.79	38,447	11,534	40,439		500		3,571	94,492
11 Intel Magnetics/Micro Storage, SCI	0.05	0.17	0.43		0.02			0.03	0.03	0.72		0.72	34,863	10,459	36,670		500		3,571	86,062
12 International Business Machines, SJs	0.05	0.22	0.36		0.02			0.03	0.03	0.72		0.72	35,221	10,566	37,047		500		3,571	86,905
13 Intersil/Siemens, Cupertino	0.05	0.15	0.46		0.02			0.03	0.03	0.75		0.75	35,951	10,785	37,815		500		3,571	88,823
14 National Semiconductor, Santa Clara	0.06	0.19	0.48		0.02			0.03	0.03	0.79		0.79	38,105	11,432	40,060	2,000	500		3,571	95,669
15 Rhone–Poulenc/Sandoz, East Palo Alto	0.10	0.19	0.55		0.02			0.03	0.03	0.92		0.92	44,689	13,407	47,005	2,000	800		3,571	111,473
16 Signetics, Sunnyvale	0.05	0.15	0.36		0.02			0.03	0.03	0.65		0.65	31,278	9,384	32,900		500		3,571	77,633
17 Solvent Service, San Jose	0.05	0.15	0.36		0.02			0.03	0.03	0.65		0.65	31,278	9,384	32,900		500		3,571	77,633
18 Spectra Physics, Mountain View	0.05	0.17	0.43		0.02			0.03	0.03	0.72		0.72	34,863	10,459	36,670		500		3,571	86,062
19 Synertek #1, Santa Clara	0.05	0.19	0.48		0.02			0.03	0.03	0.79		0.79	38,447	11,534	40,439		500		3,571	94,492
20 Teledyne, Mountain View	0.05	0.17	0.43		0.02			0.03	0.03	0.72		0.72	34,863	10,459	36,670		500		3,571	86,062
21 TRW/FEI Microwave, Sunnyvale	0.05	0.15	0.36		0.02			0.03	0.03	0.65		0.65	31,278	9,384	32,900		500		3,571	77,633
22 Van Waters & Rogers, San Jose	0.05	0.15		0.36	0.02			0.03	0.03	0.65		0.65	28,689	8,607	30,176		500		3,571	71,543
EPA Lead – Federal Facilities																				
1 Moffett NAS, Sunnyvale	Not a part of this workplan																			
EPA Lead––Non–Federal Facilities																				
1 Fairchild, Mountain View																				
2 Intel Mountain View																				
3 Raytheon, Mountain View	Combined and summed below																			
Sum> Middlefield–Ellis–Whisman Sites, Mtn View	0.05	0.15	0.26		0.02			0.03	0.03	0.55		0.55	26,489	7,947	27,862		275			62,572
4 JASCO, Mountain View	0.05	0.15	0.26		0.02			0.03	0.03	0.55		0.55	26,489	7,947	27,862		300			62,597
5 Lorentz Barrel & Drum, San Jose	0.05	0.15	0.26		0.02			0.03	0.03	0.55		0.55	26,489	7,947	27,862		300			62,597
6 Westinghouse, Sunnyvale	0.05	0.15	0.26		0.02			0.03	0.03	0.55		0.55	26,489	7,947	27,862		300			62,597
7 United Heckathorn, Richmond	0.05	0.15		0.26	0.02			0.03	0.03	0.55		0.55	24,593	7,378	25,868		300			58,139
CA Env Prot Agency–DTSC Lead																				
1 Liquid Gold, Richmond	0.05	0.15		0.23	0.02			0.03	0.03	0.50		0.50	22,545	6,764	23,714		300			53,323
Total Estimated State & IPA Staff Years & Dollars	1.43	4.70	9.77	1.85	0.64			0.84	0.79	20.02		20.02	$958,260	$266,878	$1,005,823	$10,000	$13,375		$100,000	$2,347,337

TABLE III–2

Master Staff and Budget Workplan Estimate
Workplan's Distribution of Task Staff Years and Budget by Site –– 1 January 94 – 30 June 94

16:40 01-Dec

NPL SITES	TOTAL WORKPLAN STATE STAFF YEARS: Supv WRCE	Sr WRCE Geol ESIV	Assoc WRCE Geol	WRCE/ Engr Geol ESIII	Accl I (SWRCB)	Staff Svc Anal	Info Syst Tech	Off Tech	Temp Help (Stdnt)	SUB TOTAL STATE SY	SUB TOTAL IPA SY	TOTAL TASK SY	State Staff: SALARY $	FRINGE $	INDIRECT $	SPECIAL EXPENSE $	TRAVEL $	TOTAL IPA $	Cnslt IAG $	TOTAL WORKPLAN $
Lead--Regional Water Qual Cont Board																				
1 Advanced Micro Devices (Arques), Sunnv	0.01	0.03	0.06		0.01			0.01	0.01	0.13		0.13	6,157	1,847	6,476		100		3,571	18,151
2 Advanced Micro Dev–Bldg 901/902, Sunnv	0.01	0.03	0.06		0.01			0.01	0.01	0.13		0.13	6,157	1,847	6,476		100		3,571	18,151
3 Advanced Micro Devices – Bldg 915, Sunnv	0.01	0.03	0.06		0.01			0.01	0.01	0.13		0.13	6,157	1,847	6,476		100		3,571	18,151
4 Applied Materials, Santa Clara	0.01	0.03	0.06		0.01			0.01	0.01	0.13		0.13	6,157	1,847	6,476		100		3,571	18,151
5 CTS Printex, Mountain View	0.01	0.03		0.06	0.01			0.01	0.01	0.13		0.13	6,371	1,911	6,701		100		3,571	18,655
6 Fairchild, San Jose	0.01	0.10	0.04		0.01			0.01	0.01	0.17		0.17	8,464	2,539	6,903		100		3,571	23,577
7 Hewlett Packard, 1501 Pg Mill, Palo Alto	0.02	0.10	0.25	0.10	0.01			0.02	0.02	0.52		0.52	23,567	7,070	24,789	3,000	300		3,571	62,298
8 Hewlett Packard, 640 Pg Mill, Palo Alto	0.02	0.10	0.25	0.10	0.01			0.02	0.02	0.52		0.52	23,567	7,070	24,789	3,000	300		3,571	62,298
9 Hexcel, Livermore	Not a part of this workplan																			
10 Intel, Santa Clara III, Santa Clara	0.01	0.03	0.06		0.01			0.01	0.01	0.13		0.13	6,157	1,847	6,476		100		3,571	18,151
11 Intel Magnetics/Micro Storage, SCl	0.01	0.03	0.06		0.01			0.01	0.01	0.13		0.13	6,157	1,847	6,476		100		3,571	18,151
12 International Business Machines, SJs	0.01	0.10	0.08		0.01			0.01	0.01	0.21		0.21	10,099	3,030	10,623		100		3,571	27,424
13 Intersil/Siemens, Cupertino	0.01	0.03	0.06		0.01			0.01	0.01	0.13		0.13	6,157	1,847	6,476		100		3,571	18,151
14 National Semiconductor, Santa Clara	0.01	0.03	0.06		0.01			0.01	0.01	0.13		0.13	6,157	1,847	6,476		100		3,571	18,151
15 Rhone–Poulenc/Sandoz, East Palo Alto	0.02	0.03	0.15		0.01			0.01	0.01	0.22		0.22	10,316	3,095	10,851		200		3,571	28,034
16 Signetics, Sunnyvale	0.01	0.03	0.06		0.01			0.01	0.01	0.13		0.13	6,157	1,847	6,476		100		3,571	18,151
17 Solvent Service, San Jose	0.01	0.03	0.06		0.01			0.01	0.01	0.13		0.13	6,157	1,847	6,476		100		3,571	18,151
18 Spectra Physics, Mountain View	0.01	0.03	0.06		0.01			0.01	0.01	0.13		0.13	6,157	1,847	6,476		100		3,571	18,151
19 Synertek #1, Santa Clara	0.01	0.03	0.06		0.01			0.01	0.01	0.13		0.13	6,157	1,847	6,476		100		3,571	18,151
20 Teledyne, Mountain View	0.01	0.03	0.06		0.01			0.01	0.01	0.13		0.13	6,157	1,847	6,476		100		3,571	18,151
21 TRW/FEI Microwave, Sunnyvale	0.01	0.03	0.06		0.01			0.01	0.01	0.13		0.13	6,157	1,847	6,476		100		3,571	18,151
22 Van Waters & Rogers, San Jose	0.01	0.03		0.06	0.01			0.01	0.01	0.13		0.13	5,849	1,695	5,942		100		3,571	16,957
EPA Lead – Federal Facilities																				
1 Moffett NAS, Sunnyvale	Not a part of this workplan																			
EPA Lead--Non–Federal Facilities																				
1 Fairchild, Mountain View	Combined and summed below																			
2 Intel, Mountain View																				
3 Raytheon, Mountain View																				
Sum> Middlefield–Ellis–Whisman Sites, Mtn View	0.01	0.03	0.06		0.01			0.01	0.01	0.13		0.13	6,157	1,847	6,476		75			14,555
4 JASCO, Mountain View	0.01	0.03	0.06		0.01			0.01	0.01	0.13		0.13	6,157	1,847	6,476		100			14,580
5 Lorentz Barrel & Drum, San Jose	0.01	0.03	0.06		0.01			0.01	0.01	0.13		0.13	6,157	1,847	6,476		100			14,580
6 Westinghouse, Sunnyvale	0.01	0.03	0.06		0.01			0.01	0.01	0.13		0.13	6,157	1,847	6,476		100			14,580
7 United Heckathorn, Richmond	0.01	0.03		0.06	0.01			0.01	0.01	0.13		0.13	5,849	1,695	5,942		100			13,366
CA Env Prot Agency–DTSC Lead																				
1 Liquid Gold, Richmond	0.01	0.03		0.06	0.01			0.01	0.01	0.13		0.13	5,849	1,695	5,942		100			13,366
Total Estimated State & IPA Staff Years & Dollars	0.27	1.02	2.12	0.50	0.14			0.26	0.26	4.58		4.58	$210,156	$63,047	$221,050	$6,000	$3,175		$100,000	$578,430

TABLE III–3 **Master Staff and Budget Workplan Estimate**

Workplan's Distribution of Task Staff Years and Budget by Site –– 1 July 94 – 30 June 95

16:39 01–Dec

NPL SITES	TOTAL WORKPLAN STATE STAFF YEARS									SUB TOTAL STATE SY	SUB TOTAL IPA SY	TOTAL TASK SY	State Staff			SPEC EXPENS $	TRAVEL $	TOTAL IPA $	Cnslt IAG $	TOTAL WORKPLAN $
	Supv WRCE	Sr WRCE Geol ESIV	Assoc WRCE Geol	WRCE/ Engr Geol ESIII	Acct I (SWRCB)	Staff Svc Anal	Info Syst Tech	Off Tech	Temp Help (Stdnt)				SALARY $	FRINGE $	INDIRECT $					
Lead––Regional Water Qual Cont Board																				
1 Advanced Micro Devices (Arques), Sunnv	0.02	0.06	0.15		0.01			0.01	0.01	0.26		0.26	12,254	3,676	12,890		200			29,020
2 Advanced Micro Dev–Bldg 901/902, Sunnv	0.02	0.06	0.15		0.01			0.01	0.01	0.26		0.26	12,254	3,676	12,890		200			29,020
3 Advanced Micro Devices – Bldg 915, Sunnv	0.02	0.06	0.15		0.01			0.01	0.01	0.26		0.26	12,254	3,676	12,890		200			29,020
4 Applied Materials, Santa Clara	0.02	0.06	0.15		0.01			0.01	0.01	0.26		0.26	12,254	3,676	12,890		200			29,020
5 CTS Printex, Mountain View	0.02	0.06		0.15	0.01			0.01	0.01	0.26		0.26	12,624	3,787	13,279		200			29,890
6 Fairchild, San Jose	0.02	0.06	0.15		0.01			0.01	0.01	0.26		0.26	12,254	3,676	12,890		200			29,020
7 Hewlett Packard, 1501 Pg Mill, Palo Alto	0.03	0.15	0.35	0.10	0.01			0.02	0.02	0.68		0.68	31,645	9,494	33,285		300			74,724
8 Hewlett Packard, 640 Pg Mill, Palo Alto	0.03	0.15	0.35	0.10	0.01			0.02	0.02	0.68		0.68	31,645	9,494	33,285		300			74,724
9 Hexcel, Livermore	Not a part of this workplan																			
10 Intel, Santa Clara III, Santa Clara	0.02	0.06	0.15		0.01			0.01	0.01	0.26		0.26	12,254	3,676	12,890		200			29,020
11 Intel Magnetics/Micro Storage, SCI	0.02	0.06	0.15		0.01			0.01	0.01	0.26		0.26	12,254	3,676	12,890		200			29,020
12 International Business Machines, SJs	0.02	0.06	0.15		0.01			0.01	0.01	0.26		0.26	12,254	3,676	12,890		200			29,020
13 Intersil/Siemens, Cupertino	0.02	0.06	0.25		0.01			0.01	0.01	0.36		0.36	16,927	5,078	17,805		200			40,010
14 National Semiconductor, Santa Clara	0.02	0.10	0.25		0.01			0.01	0.01	0.40		0.40	19,061	5,724	20,070	2,000	200			47,076
15 Rhone–Poulenc/Sandoz, East Palo Alto	0.04	0.10	0.25		0.01			0.01	0.01	0.42		0.42	20,264	6,079	21,314	2,000	300			49,957
16 Signetics, Sunnyvale	0.02	0.06	0.15		0.01			0.01	0.01	0.26		0.26	12,254	3,676	12,890		200			29,020
17 Solvent Service, San Jose	0.02	0.06	0.15		0.01			0.01	0.01	0.26		0.26	12,254	3,676	12,890		200			29,020
18 Spectra Physics, Mountain View	0.02	0.06	0.15		0.01			0.01	0.01	0.26		0.26	12,254	3,676	12,890		200			29,020
19 Synertek #1, Santa Clara	0.02	0.06	0.15		0.01			0.01	0.01	0.26		0.26	12,254	3,676	12,890		200			29,020
20 Teledyne, Mountain View	0.02	0.06	0.15		0.01			0.01	0.01	0.26		0.26	12,254	3,676	12,890		200			29,020
21 TRW/FEI Microwave, Sunnyvale	0.02	0.06	0.15		0.01			0.01	0.01	0.26		0.26	12,254	3,676	12,890		200			29,020
22 Van Waters & Rogers, San Jose	0.02	0.06		0.15	0.01			0.01	0.01	0.26		0.26	12,254	3,676	12,890		200			29,020
EPA Lead – Federal Facilities																				
1 Moffett NAS, Sunnyvale	Not a part of this workplan																			
EPA Lead––Non–Federal Facilities																				
1 Fairchild, Mountain View																				
2 Intel, Mountain View																				
3 Raytheon, Mountain View	Combined and summed below																			
Sum> Middlefield–Ellis–Whiteman Sites, Mtn View	0.02	0.06	0.10		0.01			0.01	0.01	0.21		0.21	9,918	2,975	10,432		100			23,425
4 JASCO, Mountain View	0.02	0.06	0.10		0.01			0.01	0.01	0.21		0.21	9,918	2,975	10,432		100			23,425
5 Lorentz Barrel & Drum, San Jose	0.02	0.06	0.10		0.01			0.01	0.01	0.21		0.21	9,918	2,975	10,432		100			23,425
6 Westinghouse, Sunnyvale	0.02	0.06		0.10	0.01			0.01	0.01	0.21		0.21	9,918	2,975	10,432		100			23,425
7 United Heckathorn, Richmond	0.02	0.06		0.10	0.01			0.01	0.01	0.21		0.21	9,241	2,772	9,720		100			21,833
CA Env Prot Agency – DTSC Lead																				
1 Liquid Gold, Richmond	0.02	0.06		0.08	0.01			0.01	0.01	0.18		0.18	6,242	2,473	8,669		100			19,484
Total Estimated State & IPA Staff Years & Dollars	0.56	1.88	3.95	0.68	0.25			0.29	0.26	7.89		7.89	$372,143	$111,643	$391,431	$4,000	$5,100			$884,316

TABLE III–4 Master Staff and Budget Workplan Estimate
Workplan's Distribution of Task Staff Years and Budget by Site –– 1 July 95 – 30 June 96

16:36 01-Dec

NPL SITES	TOTAL WORKPLAN STATE STAFF YEARS: Supv WRCE	Sr WRCE Geol ESIV	Assoc WRCE Geol	WRCE/ Engr Geol ESIII	Accl I (SWRCB)	Staff Svc Anal	Info Syst Tech	Off Tech	Temp Help (Stdnl)	SUB TOTAL STATE SY	SUB TOTAL IPA SY	TOTAL TASK SY	State Staff SALARY $	State Staff FRINGE $	State Staff INDIRECT $	SPEC EXPENS $	TRAVEL $	TOTAL IPA $	Cnsl IAG $	TOTAL WORKPLAN $
Lead--Regional Water Qual Cont Board																				
1 Advanced Micro Devices (Arques), Sunnv	0.02	0.06	0.15		0.01			0.01	0.01	0.26		0.26	12,867	3,860	13,534		200			30,461
2 Advanced Micro Dev–Bldg 901/902, Sunnv	0.02	0.06	0.15		0.01			0.01	0.01	0.26		0.26	12,867	3,860	13,534		200			30,461
3 Advanced Micro Devices – Bldg 915, Sunnv	0.02	0.10	0.25		0.01			0.01	0.01	0.40		0.40	20,035	6,011	21,074		200			47,320
4 Applied Materials, Santa Clara	0.02	0.06	0.15		0.01			0.01	0.01	0.26		0.26	12,867	3,860	13,534		200			30,461
5 CTS Printex, Mountain View	0.02	0.06		0.15	0.01			0.01	0.01	0.26		0.26	13,256	3,977	13,943		200			31,375
6 Fairchild, San Jose	0.02	0.06	0.15		0.01			0.01	0.01	0.26		0.26	12,867	3,860	13,534		200			30,461
7 Hewlett Packard, 1501 Pg Mill, Palo Alto	0.03	0.06	0.15	0.10	0.01			0.02	0.02	0.39		0.39	18,325	5,496	19,275		300			43,396
8 Hewlett Packard, 640 Pg Mill, Palo Alto	0.03	0.06	0.15	0.10	0.01			0.02	0.02	0.39		0.39	18,325	5,496	19,275		300			43,396
9 Hexcel, Livermore	Not a part of this workplan																			
10 Intel, Santa Clara III, Santa Clara	0.02	0.10	0.25		0.01			0.01	0.01	0.40		0.40	20,035	6,011	21,074		200			47,320
11 Intel Magnetics/Micro Storage, SCI	0.02	0.06	0.20		0.01			0.01	0.01	0.33		0.33	16,451	4,935	17,304		200			38,891
12 International Business Machines, SJs	0.02	0.06	0.15		0.01			0.01	0.01	0.26		0.26	12,867	3,860	13,534		200			30,461
13 Intersil/Siemens, Cupertino	0.02	0.06	0.15		0.01			0.01	0.01	0.26		0.26	12,867	3,860	13,534		200			30,461
14 National Semiconductor, Santa Clara	0.02	0.06	0.15		0.01			0.01	0.01	0.26		0.26	12,867	3,860	13,534		200			30,461
15 Rhone–Poulenc/Sandoz, East Palo Alto	0.04	0.06	0.15		0.01			0.01	0.01	0.26		0.26	14,100	4,233	14,840		300			33,482
16 Signetics, Sunnyvale	0.02	0.06	0.15		0.01			0.01	0.01	0.26		0.26	12,867	3,860	13,534		200			30,461
17 Solvent Service, San Jose	0.02	0.06	0.15		0.01			0.01	0.01	0.26		0.26	12,867	3,860	13,534		200			30,461
18 Spectra Physics, Mountain View	0.02	0.06	0.20		0.01			0.01	0.01	0.33		0.33	16,451	4,935	17,304		200			38,891
19 Synertek #1, Santa Clara	0.02	0.10	0.25		0.01			0.01	0.01	0.40		0.40	20,035	6,011	21,074		200			47,320
20 Teledyne, Mountain View	0.02	0.06	0.20		0.01			0.01	0.01	0.33		0.33	16,451	4,935	17,304		200			38,891
21 TRW/FEI Microwave, Sunnyvale	0.02	0.06	0.15		0.01			0.01	0.01	0.26		0.26	12,867	3,860	13,534		200			30,461
22 Van Waters & Rogers, San Jose	0.02	0.06		0.15	0.01			0.01	0.01	0.26		0.26	11,801	3,540	12,413		200			27,954
EPA Lead -- Federal Facilities																				
1 Moffett NAS, Sunnyvale	Not a part of this workplan																			
EPA Lead--Non-Federal Facilities																				
1 Fairchild, Mountain View																				
2 Intel, Mountain View																				
3 Raytheon, Mountain View	Combined and summed below																			
Sum> Middlefield–Ellis–Whisman Sites, Mtn View	0.02	0.06	0.10		0.01			0.01	0.01	0.21		0.21	10,414	3,124	10,954		100			24,592
4 JASCO, Mountain View	0.02	0.06	0.10		0.01			0.01	0.01	0.21		0.21	10,414	3,124	10,954		100			24,592
5 Lorentz Barrel & Drum, San Jose	0.02	0.06	0.10		0.01			0.01	0.01	0.21		0.21	10,414	3,124	10,954		100			24,592
6 Westinghouse, Sunnyvale	0.02	0.06	0.10		0.01			0.01	0.01	0.21		0.21	10,414	3,124	10,954		100			24,592
7 United Heckathorn, Richmond	0.02	0.06		0.10	0.01			0.01	0.01	0.21		0.21	9,703	2,911	10,206					22,820
CA Env Prot Agency–DTSC Lead																				
1 Liquid Gold, Richmond	0.02	0.06		0.06	0.01			0.01	0.01	0.18		0.18	8,654	2,596	9,103		100			20,453
Total Estimated State & IPA Staff Years & Dollars	0.58	1.80	3.70	0.66	0.25			0.29	0.26	7.50		7.50	$373,066	$112,186	$393,342		$5,100			$884,500

TASK A: PROGRAM MANAGEMENT

Task Description

The RWQCB will be responsible for continued coordination and implementation of the South Bay MSCA Program.

One Supervising Water Resources Control (WRC) Engineer is appointed to oversee all South Bay Program activities. The responsibility and duties of the Supervising WRC Engineer include, but are not limited to, the following:

Maintaining the direction, scope, and quality of the South Bay Program

Planning and oversight of the overall program schedule and budget

Interagency coordination

Staffing requirements and recruitment

Supervision of Community Involvement Activities

Program analysis and development

Supervision of procurement and management of subcontracts.

Supervision of cost-recovery activities (Regional Board); coordination of cost-recovery activities (State Board).

The Supervising Engineer is occasionally assisted by other engineers (Senior and Associate level) and administrative staff both at the Regional Board (Office Technician) and State Board (Accountant for cost-recovery).

Of particular concern in this workplan this time will be the possible readvertising and contracting for the services of a technical consultant in the remainder of FFY 94 for services throughout FFY 94, FFY95 and FFY 96. The tehnical consultant will be used primarily in support of staff under Task E2, but the procurement will be preformed as part of Program Management so that the costs may be tracked and appropriately apportioned.

Products

Products for Task A will be successful completion of the other MSCA tasks identified under this workplan.

Work performed under this proposed statement of work will be similar to the previous statements of work. Coordination with EPA on NPL sites will be emphasized to ensure compliance with the National Contingency Plan; a concerted effort will be made to fully meet the MSCA Grant's Special Conditions, including the support for the full documentation for cost recovery.

State Budgeted Activities

Task A involves supervising and assuring the implementation of specific tasks included in the MSCA. Currently, there is no existing state-funded budget provided for this activity.

Cost

Costs are detailed and presented in Tables III-2A, -3A, and -4A.

Master Staff and Budget Workplan Estimate

TABLE III–2A
Workplan's Distribution of Task Staff Years and Budget by Site –– 1 January 94 – 30 June 94

Program Management

09:52 01–Dec

NPL SITES	TOTAL WORKPLAN STATE STAFF YEARS: Supv WRCE	Sr WRCE Geol ESIV	Assoc WRCE Geol	WRCE/ Engr Geol ESIII	Acct I (SWRCB)	Staff Svc Anal	Info Syst Tech	Off Tech	Temp Help (Stdnt)	SUB TOTAL STATE SY	SUB TOTAL IPA SY	TOTAL TASK SY	State Staff: SALARY $	FRINGE $	INDIRECT $	SPECIAL EXPENSE $	TRAVEL $	TOTAL IPA $	Cnsll IAG $	TOTAL WORKPLAN $
Lead––Regional Water Qual Cont Board					0.01					0.01		0.01	694	208	730		10			1,642
1 Advanced Micro Devices (Arques), Sunnv	0.01				0.01					0.01		0.01	694	208	730		10			1,642
2 Advanced Micro Dev–Bldg 901/902, Sunnv	0.01				0.01					0.01		0.01	694	208	730		10			1,642
3 Advanced Micro Devices – Bldg 915, Sunnv	0.01				0.01					0.01		0.01	694	208	730		10			1,642
4 Applied Materials, Santa Clara	0.01				0.01					0.01		0.01	906	272	955		10			2,145
5 CTS Printex, Mountain View	0.01				0.01					0.01		0.01	694	208	730		10			1,642
6 Fairchild, San Jose	0.01				0.01					0.01		0.01	694	208	730		10			1,642
7 Hewlett Packard, 1501 Pg Mill, Palo Alto	0.02				0.01					0.03		0.03	1,349	405	1,418		30			3,202
8 Hewlett Packard, 640 Pg Mill, Palo Alto	0.02				0.01					0.03		0.03	1,349	405	1,418		30			3,202
9 Hexcel, Livermore	Not a part of this workplan																			
10 Intel, Santa Clara III, Santa Clara	0.01				0.01					0.01		0.01	694	208	730		10			1,642
11 Intel Magnetics/Micro Storage, SCl	0.01				0.01					0.01		0.01	694	208	730		10			1,642
12 International Business Machines, SJs	0.01				0.01					0.01		0.01	694	208	730		10			1,642
13 Intersil/Siemens, Cupertino	0.01				0.01					0.01		0.01	694	208	730		10			1,642
14 National Semiconductor, Santa Clara	0.01				0.01					0.01		0.01	694	208	730		10			1,642
15 Rhone–Poulenc/Sandoz, East Palo Alto	0.02				0.01					0.03		0.03	1,349	405	1,418		20			3,192
16 Signetics, Sunnyvale	0.01				0.01					0.01		0.01	694	208	730		10			1,642
17 Solvent Service, San Jose	0.01				0.01					0.01		0.01	694	208	730		10			1,642
18 Spectra Physics, Mountain View	0.01				0.01					0.01		0.01	694	208	730		10			1,642
19 Synertek #1, Santa Clara	0.01				0.01					0.01		0.01	694	208	730		10			1,642
20 Teledyne, Mountain View	0.01				0.01					0.01		0.01	694	208	730		10			1,642
21 TRW/FEI Microwave, Sunnyvale	0.01				0.01					0.01		0.01	694	208	730		10			1,642
22 Van Waters & Rogers, San Jose	0.01				0.01					0.01		0.01	694	208	730		10			1,642
EPA Lead – Federal Facilities																				
1 Moffett NAS, Sunnyvale	Not a part of this workplan																			
EPA Lead––Non–Federal Facilities																				
1 Fairchild, Mountain View																				
2 Intel, Mountain View																				
3 Raytheon, Mountain View	Combined and summed below																			
Sum> Middlefield–Ellis–Whisman &Ibe, Mtn View	0.01				0.01					0.01		0.01	694	208	730		8			1,639
4 JASCO, Mountain View	0.01				0.01					0.01		0.01	694	208	730		10			1,642
5 Lorentz Barrel & Drum, San Jose	0.01				0.01					0.01		0.01	694	208	730		10			1,642
6 Westinghouse, Sunnyvale	0.01				0.01					0.01		0.01	694	208	730		10			1,642
7 United Heckathorn, Richmond	0.01				0.01					0.01		0.01	694	208	730		10			1,642
CA Env Prot Agency–DTSC Lead																				
1 Liquid Gold, Richmond	0.01				0.01					0.01		0.01	694	208	730		10			1,642
Total Estimated State & IPA Staff Years & Dollars	0.27				0.14					0.42		0.42	$20,912	$6,274	$21,996		$316			$49,498

TABLE III–3A Master Staff and Budget Workplan Estimate **Program Management**

Workplan's Distribution of Task Staff Years and Budget by Site –– 1 July 94 – 30 June 95

07:22 01-Dec

NPL SITES	TOTAL WORKPLAN STATE STAFF YEARS									SUB TOTAL STATE SY	SUB TOTAL IPA SY	TOTAL TASK SY	State Staff			SPEC EXPENS $	TRAVEL $	TOTAL IPA $	Cnsit IAG $	TOTAL WORKPLAN $
	Supv WRCE	Sr WRCE Geol ESIV	Assoc WRCE Geol	WRCE/ Engr Geol ESIII	Acct I (SWRCB)	Staff Svc Anal	Info Syst Tech	Off Tech	Temp Help (Stdnt)				SALARY $	FRINGE $	INDIRECT $					
Lead––Regional Water Qual Cont Board																				
1 Advanced Micro Devices (Arques), Sunnv	0.02				0.01					0.03		0.03	1,469	441	1,545		20			3,476
2 Advanced Micro Dev – Bldg 901/902, Sunnv	0.02				0.01					0.03		0.03	1,469	441	1,545		20			3,476
3 Advanced Micro Devices – Bldg 915, Sunnv	0.02				0.01					0.03		0.03	1,469	441	1,545		20			3,476
4 Applied Materials, Santa Clara	0.02				0.01					0.03		0.03	1,469	441	1,545		20			3,476
5 CTS Printex, Mountain View	0.02				0.01					0.03		0.03	1,469	441	1,545		20			3,476
6 Fairchild, San Jose	0.02				0.01					0.03		0.03	1,839	552	1,935		20			4,346
7 Hewlett Packard, 1501 Pg Mill, Palo Alto	0.03				0.01					0.04		0.04	2,061	618	2,167		30			4,876
8 Hewlett Packard, 640 Pg Mill, Palo Alto	0.03				0.01					0.04		0.04	2,061	618	2,167		30			4,876
9 Hexcel, Livermore	Not a part of this workplan																			
10 Intel, Santa Clara III, Santa Clara	0.02				0.01					0.03		0.03	1,469	441	1,545		20			3,476
11 Intel Magnetics/Micro Storage, SCl	0.02				0.01					0.03		0.03	1,469	441	1,545		20			3,476
12 International Business Machines, SJs	0.02				0.01					0.03		0.03	1,469	441	1,545		20			3,476
13 Intersil/Siemens, Cupertino	0.02				0.01					0.03		0.03	1,469	441	1,545		20			3,476
14 National Semiconductor, Santa Clara	0.02				0.01					0.03		0.03	1,469	441	1,545		20			3,476
15 Rhone–Poulenc/Syntex, East Palo Alto	0.04				0.01					0.05		0.05	2,652	796	2,789		30			6,267
16 Signetics, Sunnyvale	0.02				0.01					0.03		0.03	1,469	441	1,545		20			3,476
17 Solvent Service, San Jose	0.02				0.01					0.03		0.03	1,469	441	1,545		20			3,476
18 Spectra Physics, Mountain View	0.02				0.01					0.03		0.03	1,469	441	1,545		20			3,476
19 Synertek #1, Santa Clara	0.02				0.01					0.03		0.03	1,469	441	1,545		20			3,476
20 Teledyne, Mountain View	0.02				0.01					0.03		0.03	1,469	441	1,545		20			3,476
21 TRW/FEI Microwave, Sunnyvale	0.02				0.01					0.03		0.03	1,469	441	1,545		20			3,476
22 Van Waters & Rogers, San Jose	0.02				0.01					0.03		0.03	1,469	441	1,545		20			3,476
EPA Lead – Federal Facilities																				
1 Moffett NAS, Sunnyvale	Not a part of this workplan																			
EPA Lead––Non–Federal Facilities																				
1 Fairchild, Mountain View																				
2 Intel, Mountain View																				
3 Raytheon, Mountain View	Combined and summed below																			
Sum> Middlefield–Ellis–Whisman Sites, Mtn View	0.02				0.01					0.03		0.03	1,469	441	1,545		10			3,466
4 JASCO, Mountain View	0.02				0.01					0.03		0.03	1,469	441	1,545		10			3,466
5 Lorentz Barsi & Drum, San Jose	0.02				0.01					0.03		0.03	1,469	441	1,545		10			3,466
6 Westinghouse, Sunnyvale	0.02				0.01					0.03		0.03	1,469	441	1,545		10			3,466
7 United Heckathorn, Richmond	0.02				0.01					0.03		0.03	1,469	441	1,545		10			3,466
CA Env Prot Agency – DTSC Lead																				
1 Liquid Gold, Richmond	0.02				0.01					0.03		0.03	1,469	441	1,545		10			3,466
Total Estimated State & IPA Staff Years & Dollars	0.58				0.25					0.83		0.83	$42,407	$12,722	$44,605		$510			$100,245

TABLE III–4A

Master Staff and Budget Workplan Estimate

Project Management

Workplan's Distribution of Task Staff Years and Budget by Site -- 1 July 95 – 30 June 96

16:20 01-Dec

NPL SITES	TOTAL WORKPLAN STATE STAFF YEARS: Supv WRCE	Sr WRCE Geol ESIV	Assoc WRCE Geol	WRCE/ Engr Geol ESIII	Acct I (SWRCB)	Staff Svc Anal	Info Syst Tech	Off Tech	Temp Help (Stdnt)	SUB TOTAL STATE SY	SUB TOTAL IPA SY	TOTAL TASK SY	State Staff: SALARY $	FRINGE $	INDIRECT $	SPEC EXPENS $	TRAVEL $	TOTAL IPA $	Cnslt IAG $	TOTAL WORKPLAN $
Lead---Regional Water Qual Cont Board																				3,648
1 Advanced Micro Devices (Arques), Sunnv	0.02				0.01					0.03		0.03	1,543	463	1,623		20			3,648
2 Advanced Micro Dev–Bldg 901/902, Sunnv	0.02				0.01					0.03		0.03	1,543	463	1,623		20			3,648
3 Advanced Micro Devices – Bldg 915, Sunnv	0.02				0.01					0.03		0.03	1,543	463	1,623		20			3,648
4 Applied Materials, Santa Clara	0.02				0.01					0.03		0.03	1,543	463	1,623		20			3,648
5 CTS Printex, Mountain View	0.02				0.01					0.03		0.03	1,931	579	2,031		20			4,562
6 Fairchild, San Jose	0.02				0.01					0.03		0.03	1,543	463	1,623		20			3,648
7 Hewlett Packard, 1501 Pg Mill, Palo Alto	0.03				0.01					0.04		0.04	2,164	649	2,276		30			5,119
8 Hewlett Packard, 640 Pg Mill, Palo Alto	0.03				0.01					0.04		0.04	2,164	649	2,276		30			5,119
9 Hexcel, Livermore	Not a part of this workplan																			
10 Intel, Santa Clara III, Santa Clara	0.02				0.01					0.03		0.03	1,543	463	1,623		20			3,648
11 Intel Magnetics/Micro Storage, SCl	0.02				0.01					0.03		0.03	1,543	463	1,623		20			3,648
12 International Business Machines, SJs	0.02				0.01					0.03		0.03	1,543	463	1,623		20			3,648
13 Intersil/Siemens, Cupertino	0.02				0.01					0.03		0.03	1,543	463	1,623		20			3,648
14 National Semiconductor, Santa Clara	0.02				0.01					0.03		0.03	1,543	463	1,623		20			3,648
15 Rhone–Poulenc/Sandoz, East Palo Alto	0.04				0.01					0.05		0.05	2,765	835	2,929		30			6,579
16 Signetics, Sunnyvale	0.02				0.01					0.03		0.03	1,543	463	1,623		20			3,648
17 Solvent Servics, San Jose	0.02				0.01					0.03		0.03	1,543	463	1,623		20			3,648
18 Spectra Physics, Mountain View	0.02				0.01					0.03		0.03	1,543	463	1,623		20			3,648
19 Synertek #1, Santa Clara	0.02				0.01					0.03		0.03	1,543	463	1,623		20			3,648
20 Teledyne, Mountain View	0.02				0.01					0.03		0.03	1,543	463	1,623		20			3,648
21 TRW/FEI Microwave, Sunnyvale	0.02				0.01					0.03		0.03	1,543	463	1,623		20			3,648
22 Van Waters & Rogers, San Jose	0.02				0.01					0.03		0.03	1,543	463	1,623		20			3,648
EPA Lead – Federal Facilities																				
1 Moffett NAS, Sunnyvale	Not a part of this workplan																			
EPA Lead---Non–Federal Facilities																				
1 Fairchild, Mountain View																				
2 Intel, Mountain View																				
3 Raytheon, Mountain View	Combined and summed below																			
Sum> Middlefield–Ellis–Whiteman Sites, Mtn View	0.02				0.01					0.03		0.03	1,543	463	1,623		10			3,636
4 JASCO, Mountain View	0.02				0.01					0.03		0.03	1,543	463	1,623		10			3,636
5 Lorentz Barrel & Drum, San Jose	0.02				0.01					0.03		0.03	1,543	463	1,623		10			3,636
6 Westinghouse, Sunnyvale	0.02				0.01					0.03		0.03	1,543	463	1,623		10			3,636
7 United Heckathorn, Richmond	0.02																			
CA Env Prot Agency–DTSC Lead																				
1 Liquid Gold, Richmond	0.02				0.01					0.03		0.03	1,543	463	1,623		10			3,636
Total Estimated State & IPA Staff Years & Dollars	0.58				0.25					0.83		0.83	$44,526	$13,358	$46,836		$510			$105,232

TASK B: SITE MANAGEMENT SYSTEM

Task Description

In the previous phases of the MSCA contract the EPA developed, and the RWQCB modified and implemented, a computerized system to track RI (site remedial investigation), FS (feasibility studies / alternatives evaluation), and implementation of Remedial Design (RD) / Remedial Action (RA) activities for all sites in the South Bay MSCA area. The Site Management System (SMS) was developed for the specific needs of the RWQCB, DTSC and the EPA. The system was designed to incorporate specific requirements expressed by the RWQCB and the EPA. The Site Management System is used to permit EPA and the State to monitor site activities, identify sites where enforcement actions are necessary, and bring remedial activities into compliance. In addition, this system aids RWQCB staff in managing their case loads by tracking specific site activities such as review and approval of work plans and reports. This system also provides summary information to the RWQCB, DTSC and EPA management personnel. As part of the community involvement program the SMS is currently distributed to 15 municipal agency representatives, 9 libraries, 7 state and federal agency representatives, 2 environmental groups, and 1 manufacturers' group.

Components and uses of this system are the same as described in the previously approved workplan. However, in this workplan it is proposed that the major changes in the previous workplan -- to produce only an annual report in paper format, downscope the amount of activity for quarterly reports, provide an alternate and possibly more up-to-date access (and probably the only public day-to-day access) to the SMS by installing it on a dedicated personal microcomputer and allowing public access via modem through an automated bulletin board system 24 hours/day and 7 days/week -- will be fully implemented. It is also anticipated that additional Regional Board and South Bay information would be made available on the Bulletin Board (community involvement bulletins, significant correspondence involving Superfund sites, policy memorandums, etc.). To accomodate this plan, some additional technical staffing (Associate WRCE/Geologist) has been added while at the same time decreasing the time of the Information System Analyst.

System Data Input and Access

The RWQCB staff will continue to enter and update information into the Milestone Tracking System on at least a quarterly basis (or as needed if more frequent) as well as maintain the BBS daily (estimated at ½ hour/day). EPA and DTSC will be permitted to access all current information in the system through a modem as well as be provided annual "hard-copy" reports. Public access will be by annual paper copy and updates via the BBS.

Operating the Site Management System

As part of the MSCA, the RWQCB will designate one Information Systems Technician (or an equivalent trained Office Technician) to manage part-time the Site Management System and assist in operation of the Bulletin Board System. Duties of the Information Systems Technician will include data entry, report generation, programming support, and system coordination. System management will require an estimated 20 percent of a Information System Technician. Additionally, the RWQCB will use the equivalent of 20 percent of an Associate Engineer/Geologist over the life of the workplan to implement and operate the Bulletin Board System.

Products

Yearly printed summary reports on all active South Bay sites; custom and exception reports. Implementation, operation, and maintenance of the South Bay BBS allowing agency and public access to the SMS 7 days / week @ 24 hours/day.

State Budgeted Activities

There is no existing State-funded budget or activities for the Site Management System.

Cost

Costs for this task are shown on the budget Tables III-2B, -3B, and -4B.

TABLE III–2B Master Staff and Budget Workplan Estimate

Site Management System

Workplan's Distribution of Task Staff Years and Budget by Site –– 1 January 94 – 30 June 94

07:13 01–Dec

NPL SITES	TOTAL WORKPLAN STATE STAFF YEARS									SUB TOTAL STATE SY	SUB TOTAL IPA SY	TOTAL TASK SY	State Staff			SPECIAL EXPENSE $	TRAVEL $	TOTAL IPA $	Cnslt IAG $	TOTAL WORKPLAN $
	Supv WRCE	Sr WRCE Geol ESIV	Assoc WRCE Geol	WRCE/ Engr Geol ESIII	Acct I (SWRCB)	Staff Svc Anal	Info Syst Tech	Off Tech	Temp Help (Stdnt)				SALARY $	FRINGE $	INDIRECT $					
Lead––Regional Water Qual Cont Board								0.00	0.00	0.01		0.01	299	90	314					703
1 Advanced Micro Devices (Arques), Sunny		0.00	0.00					0.00	0.00	0.01		0.01	299	90	314					703
2 Advanced Micro Dev–Bldg 901/902, Sunny		0.00	0.00					0.00	0.00	0.01		0.01	299	90	314					703
3 Advanced Micro Devices – Bldg 915, Sunny		0.00	0.00					0.00	0.00	0.01		0.01	299	90	314					703
4 Applied Materials, Santa Clara		0.00	0.00					0.00	0.00	0.01		0.01	299	90	314					703
5 CTS Printex, Mountain View		0.00		0.00				0.00	0.00	0.01		0.01	414	124	436					974
6 Fairchild, San Jose		0.01	0.00					0.00	0.00	0.03		0.03	1,169	351	1,229					2,749
7 Hewlett Packard, 1501 Pg Mill, Palo Alto		0.01	0.01	0.01				0.00	0.00	0.03		0.03	1,169	351	1,229					2,749
8 Hewlett Packard, 640 Pg Mill, Palo Alto	Not a part of this workplan																			703
9 Hexcel, Livermore		0.00	0.00					0.00	0.00	0.01		0.01	299	90	314					703
10 Intel, Santa Clara III, Santa Clara		0.00	0.00					0.00	0.00	0.01		0.01	299	90	314					1,167
11 Intel Magnetics/Micro Storage, SCI		0.01	0.00					0.00	0.00	0.01		0.01	496	149	522					703
12 International Business Machines, SJs		0.00	0.00					0.00	0.00	0.01		0.01	299	90	314					703
13 Intersil/Siemens, Cupertino		0.00	0.00					0.00	0.00	0.01		0.01	299	90	314					1,115
14 National Semiconductor, Santa Clara		0.00	0.01					0.00	0.00	0.01		0.01	474	142	499					703
15 Rhone–Poulenc/Sandoz, East Palo Alto		0.00	0.00					0.00	0.00	0.01		0.01	299	90	314					703
16 Signetics, Sunnyvale		0.00	0.00					0.00	0.00	0.01		0.01	299	90	314					703
17 Solvent Service, San Jose		0.00	0.00					0.00	0.00	0.01		0.01	299	90	314					703
18 Spectra Physics, Mountain View		0.00	0.00					0.00	0.00	0.01		0.01	299	90	314					703
19 Synertek #1, Santa Clara		0.00	0.00					0.00	0.00	0.01		0.01	299	90	314					703
20 Teledyne, Mountain View		0.00	0.00					0.00	0.00	0.01		0.01	299	90	314					703
21 TRW/FEI Microwave, Sunnyvale		0.00		0.00				0.00	0.00	0.01		0.01	274	82	288					643
22 Van Waters & Rogers, San Jose																				
EPA Lead – Federal Facilities																				
1 Moffett NAS, Sunnyvale	Not a part of this workplan																			
EPA Lead––Non–Federal Facilities																				
1 Fairchild, Mountain View																				
2 Intel, Mountain View																				
3 Raytheon, Mountain View	Combined and summed below																			
Sum> Middlefield–Ellis–Whisman Sites, Mtn View		0.00	0.00					0.00	0.00	0.01		0.01	299	90	314					703
4 JASCO, Mountain View		0.00	0.00					0.00	0.00	0.01		0.01	299	90	314					703
5 Lorentz Barrel & Drum, San Jose		0.00	0.00					0.00	0.00	0.01		0.01	299	90	314					703
6 Westinghouse, Sunnyvale		0.00		0.00				0.00	0.00	0.01		0.01	274	82	288					643
7 United Heckathorn, Richmond																				
CA Env Prot Agency–DTSC Lead																				
1 Liquid Gold, Richmond		0.00		0.00				0.00	0.00	0.01		0.01	274	82	288					643
Total Estimated State & IPA Staff Years & Dollars		0.05	0.11	0.03				0.00	0.00	0.23		0.23	$10,223	$3,067	$10,753					$24,042

TABLE III–3B Master Staff and Budget Workplan Estimate **Site Management System**

Workplan's Distribution of Task Staff Years and Budget by Site –– 1 July 94 – 30 June 95

08:30 01-Dec

	NPL SITES	TOTAL WORKPLAN STATE STAFF YEARS									SUB TOTAL STATE SY	SUB TOTAL IPA SY	TOTAL TASK SY	State Staff			SPEC EXPENS $	TRAVEL $	TOTAL IPA $	Cnsll IAG $	TOTAL WORKPLAN $
		Supv WRCE	Sr WRCE Geol ESIV	Assoc WRCE Geol	WRCE/ Engr Geol ESIII	Acct I (SWRCB)	Staff Svc Anal	Info Syst Tech	Off Tech	Temp Help (Stdnt)				SALARY $	FRINGE $	INDIRECT $					
	Lead––Regional Water Qual Cont Board																				
1	Advanced Micro Devices (Arques), Sunnv		0.00	0.01					0.00	0.00	0.01		0.01	566	170	596					1,332
2	Advanced Micro Dev–Bldg 901/902, Sunnv		0.00	0.01					0.00	0.00	0.01		0.01	566	170	596					1,332
3	Advanced Micro Devices – Bldg 915, Sunnv		0.00	0.01					0.00	0.00	0.01		0.01	566	170	596					1,332
4	Applied Materials, Santa Clara		0.00	0.01					0.00	0.00	0.01		0.01	566	170	596					1,332
5	CTS Printex, Mountain View		0.00		0.01				0.00	0.00	0.01		0.01	566	170	596					1,332
6	Fairchild, San Jose		0.00	0.01					0.00	0.00	0.01		0.01	566	170	596					1,332
7	Hewlett Packard, 1501 Pg Mill, Palo Alto		0.01	0.02	0.01				0.00	0.00	0.03		0.03	1,537	461	1,617					3,615
8	Hewlett Packard, 640 Pg Mill, Palo Alto		0.01	0.02	0.01				0.00	0.00	0.03		0.03	1,537	461	1,617					3,615
9	Hexcel, Livermore	Not a part of this workplan																			
10	Intel, Santa Clara III, Santa Clara		0.00	0.01					0.00	0.00	0.01		0.01	566	170	596					1,332
11	Intel Magnetics/Micro Storage, SCI		0.00	0.01					0.00	0.00	0.01		0.01	566	170	596					1,332
12	International Business Machines, SJs		0.00	0.01					0.00	0.00	0.01		0.01	566	170	596					1,332
13	Intersil/Siemens, Cupertino		0.00	0.01					0.00	0.00	0.02		0.02	800	240	842					1,882
14	National Semiconductor, Santa Clara		0.01	0.01					0.00	0.00	0.02		0.02	908	272	955					2,135
15	Rhone–Poulenc/Sandoz, East Palo Alto		0.01	0.01					0.00	0.00	0.02		0.02	908	272	955					2,135
16	Signetics, Sunnyvale		0.00	0.01					0.00	0.00	0.01		0.01	566	170	596					1,332
17	Solvent Service, San Jose		0.00	0.01					0.00	0.00	0.01		0.01	566	170	596					1,332
18	Spectra Physics, Mountain View		0.00	0.01					0.00	0.00	0.01		0.01	566	170	596					1,332
19	Synertek #1, Santa Clara		0.00	0.01					0.00	0.00	0.01		0.01	566	170	596					1,332
20	Teledyne, Mountain View		0.00	0.01					0.00	0.00	0.01		0.01	566	170	596					1,332
21	TRW/FEI Microwave, Sunnyvale		0.00	0.01					0.00	0.00	0.01		0.01	566	170	596					1,332
22	Van Waters & Rogers, San Jose		0.00		0.01				0.00	0.00	0.01		0.01	516	155	542					1,213
	EPA Lead – Federal Facilities																				
1	Moffett NAS, Sunnyvale	Not a part of this workplan																			
	EPA Lead––Non–Federal Facilities																				
1	Fairchild, Mountain View																				
2	Intel, Mountain View																				
3	Raytheon, Mountain View																				
Sum>	Middlefield–Ellis–Whisman Sites, Mtn View		0.00	0.01					0.00	0.00	0.01		0.01	450	135	473					1,058
4	JASCO, Mountain View		0.00	0.01					0.00	0.00	0.01		0.01	450	135	473					1,058
5	Lorentz Barrel & Drum, San Jose		0.00	0.01					0.00	0.00	0.01		0.01	450	135	473					1,058
6	Westinghouse, Sunnyvale		0.00	0.01					0.00	0.00	0.01		0.01	450	135	473					1,058
7	United Heckathorn, Richmond		0.00		0.01				0.00	0.00	0.01		0.01	416	125	437					978
	CA Env Prot Agency–DTSC Lead																				
1	Liquid Gold, Richmond		0.00		0.00				0.00	0.00	0.01		0.01	366	110	385					860
	Total Estimated State & IPA Staff Years & Dollars		0.00	0.20	0.03				0.00	0.00	0.36		0.36	$17,263	$5,185	$18,179					$40,647

TABLE III–4B Master Staff and Budget Workplan Estimate — Site Management System

Workplan's Distribution of Task Staff Years and Budget by Site — 1 July 95 – 30 June 96

16:17 01-Dec

	NPL SITES	TOTAL WORKPLAN STATE STAFF YEARS									SUB TOTAL STATE SY	SUB TOTAL IPA SY	TOTAL TASK SY	State Staff			SPEC EXPENS $	TRAVEL $	TOTAL IPA $	Cnslt IAG $	TOTAL WORKPLAN $
		Supv WRCE	Sr WRCE Geol ESIV	Assoc WRCE Geol	WRCE/ Engr Geol ESII	Acct I (SWRCB)	Staff Svc Anal	Info Syst Tech	Off Tech	Temp Help (Stdnt)				SALARY $	FRINGE $	INDIRECT $					
	Lead--Regional Water Qual Cont Board																				
1	Advanced Micro Devices (Arques), Sunnv		0.00	0.01					0.00	0.00	0.01		0.01	580	174	610					1,365
2	Advanced Micro Dev–Bldg 901/902, Sunnv		0.00	0.01					0.00	0.00	0.01		0.01	580	174	610					1,365
3	Advanced Micro Devices – Bldg 915, Sunnv		0.01	0.01					0.00	0.00	0.02		0.02	939	282	987					2,208
4	Applied Materials, Santa Clara		0.00	0.01					0.00	0.00	0.01		0.01	580	174	610					1,365
5	CTS Printex, Mountain View		0.00		0.01				0.00	0.00	0.01		0.01	580	174	610					1,365
6	Fairchild, San Jose		0.00	0.01					0.00	0.00	0.01		0.01	580	174	610					1,365
7	Hewlett Packard, 1501 Pg Mill, Palo Alto		0.00	0.01	0.01				0.00	0.00	0.02		0.02	836	251	880					1,967
8	Hewlett Packard, 640 Pg Mill, Palo Alto		0.00	0.01	0.01				0.00	0.00	0.02		0.02	836	251	880					1,967
9	Hexcel, Livermore	Not a part of this workplan																			
10	Intel, Santa Clara III, Santa Clara		0.01	0.01					0.00	0.00	0.02		0.02	939	282	987					2,208
11	Intel Magnetics/Micro Storage, SCl		0.00	0.01					0.00	0.00	0.02		0.02	760	228	799					1,786
12	International Business Machines, SJs		0.00	0.01					0.00	0.00	0.01		0.01	580	174	610					1,365
13	Intersil/Siemens, Cupertino		0.00	0.01					0.00	0.00	0.01		0.01	580	174	610					1,365
14	National Semiconductor, Santa Clara		0.00	0.01					0.00	0.00	0.01		0.01	580	174	610					1,365
15	Rhone–Poulenc/Sandoz, East Palo Alto		0.00	0.01					0.00	0.00	0.01		0.01	580	174	610					1,365
16	Signetics, Sunnyvale		0.00	0.01					0.00	0.00	0.01		0.01	580	174	610					1,365
17	Solvent Service, San Jose		0.00	0.01					0.00	0.00	0.01		0.01	580	174	610					1,365
18	Spectra Physics, Mountain View		0.00	0.01					0.00	0.00	0.02		0.02	760	228	799					1,786
19	Synertek #1, Santa Clara		0.01	0.01					0.00	0.00	0.02		0.02	939	282	987					2,208
20	Teledyne, Mountain View		0.00	0.01					0.00	0.00	0.02		0.02	760	228	799					1,786
21	TRW/FEI Microwave, Sunnyvale		0.00	0.01					0.00	0.00	0.01		0.01	580	174	610					1,365
22	Van Waters & Rogers, San Jose		0.00		0.01				0.00	0.00	0.01		0.01	527	158	554					1,239
	EPA Lead – Federal Facilities																				
1	Moffett NAS, Sunnyvale	Not a part of this workplan																			
	EPA Lead--Non–Federal Facilities																				
1	Fairchild, Mountain View																				
2	Intel, Mountain View																				
3	Raytheon, Mountain View	Combined and summed below																			
Sum>	Middlefield–Ellis–Whisman Sites, Mtn View		0.00	0.01					0.00	0.00	0.01		0.01	456	137	481					1,076
4	JASCO, Mountain View		0.00	0.01					0.00	0.00	0.01		0.01	456	137	481					1,076
5	Lorentz Barrel & Drum, San Jose		0.00	0.01					0.00	0.00	0.01		0.01	456	137	481					1,076
6	Westinghouse, Sunnyvale		0.00	0.01					0.00	0.00	0.01		0.01	456	137	481					1,076
7	United Heckathorn, Richmond		0.00		0.01				0.00	0.00	0.01		0.01	422	127	444					993
	CA Env Prot Agency–DTSC Lead																				
1	Liquid Gold, Richmond		0.00		0.00				0.00	0.00	0.01		0.01	370	111	389					869
Total Estimated State & IPA Staff Years & Dollars			0.09	0.19	0.03				0.03	0.01	0.35		0.35	$16,880	$5,064	$17,755					$39,699

TASK D: COMMUNITY INVOLVEMENT

Task Objectives

The main objectives of community involvement activities to be performed under the MSCA continue to be similar to previous Workplans:

Provide the general public with information on ground water systems, water supply sources, water quality, hazardous waste regulatory processes, and scope, progress and findings of remedial response activities.

Provide sufficient background information about technical and environmental issues to help the public understand and assess remedial actions.

Provide information, especially technical findings, in a form understandable to the general public.

Provide elected officials and the media with timely detailed information at key points throughout program activities.

Use the media as a major means of disseminating information to the general public.

Establish a two-way information exchange with environmental, public interest, and other concerned groups throughout the remedial response program.

Provide the means for all interested individuals to express concerns and make inquiries throughout project activities. (the opportunity for two-way communication is particularly important because of the length and complexity of the project).

Use the Groundwater Task Force, for overall coordination and review of community involvement efforts.

Create an interagency community involvement team to further coordinate the flow of information from agencies to the public.

Monitor public concerns and information needs

Modify the community involvement plan to respond to changes in community attitudes and needs.

Coordinate the implementation of site-specific Community Technical Assistance Grants.

These objectives are also similar to those of the EPA area wide Community Involvement Plan originally issued in April 1985 and contained in Appendix D of the 1985 MSCA Workplan.

Significant activity in this task has occurred and the program is now completely implemented. Recently updated Community Relations Plans (CRP) are finalized and being implemented. Significant community relations activities are proposed to comply with the CRPs for the Hewlett-Packard, National Semiconductor OU#2, and Rhône-Poulenc Wetlands OU to meet EPA community involvement requirements, especially for these sites where a final RAP will be adopted during this workplan's time frame. Community involvement activities that will be conducted under the MSCA will be coordinated with EPA's area wide community involvement strategy. Specifically, the RWQCB will be responsible for providing information and directing community involvement activities for the individual NPL sites for which it has the lead, as well as assisting for those for which it supports other agencies. In addition the Board will continue to provide fact sheets and press releases for public distribution when requested.

Implementation

Implementation of the RWQCB community involvement activities will be performed differently in this workplan phase than in previous workplans. For this workplan, the Regional Board will utilize its own staff to conduct Community Involvement activities vs. utilizing (IPA) contract employees. This staffing was chosen due to the reduced need for Community Involvement Activities on the remaining sites without RAP/RODs. Some additional special expenses are necessary for

the Community Involvement activities to account for the final RAP/ROD public notice and hearing activities at Hewlett-Packard, National Semiconductor, and Rhône-Poulenc for printing, room rent, etc. as shown in the site budgets for Task E2 cover the special non-labor costs associated with the community involvement activities.

Products

The RWQCB will perform and/or produce the following products from the community involvement activities described above (site CRP are available for further details):

Fully implement the already approved site-specific Community Involvement Plans agreeable to both agencies.

Technical summaries for the NPL South Bay sites and for any new sites requiring work beyond an initial site investigation. The MSCA Site Management System satisfies the basic requirement for these technical summaries, but it can be expanded as necessary.

Public Hearing notices and published announcements for hearings and requests for persons interested in specific sites.

Site-specific mailing lists for RWQCB hearing announcements and materials.

Mailings to the site-specific lists when the RWQCB considers items regarding their specific sites or the South Bay regional problems.

Press releases and media briefings as required

Site Specific technical fact sheets for NPL sites

Public information repositories on specific sites (most will remain in Oakland).

State Budgeted Activities

State staffing is not budgeted for community involvement activities by the State funded base program. Work on this MSCA task will be by state employees as part of their regularly assigned duties with cost reimbursement through MSCA.

Cost

A detailed cost breakdown for Task D is not presented with this task since they are incorporated into Tasks A and E2 budgets for staff staff resonsible for site-specific project work.

TASK E2. RWQCB OVERSIGHT AND REGULATION OF NPL PRP ACTIVITIES

Activities in this task cover the activities necessary for oversight and regulation of the RI/FS and RD/RA underway at the 27 South Bay MSCA NPL sites (final and proposed and the October 1989 RCRA drop-sites) for which the Board has either the lead (20) or the supporting agency role (7).

Lead--Regional Water Quality Control Board

Advanced Micro Devices (Arques), Sunnyvale
Advanced Micro Dev-Bldg 901/902, Sunnyvale
Advanced Micro Devices - Bldg 915, Sunnyvale
Applied Materials, Santa Clara
CTS Printex, Mountain View
Fairchild, San Jose
Hewlett Packard, 1501 Pg Mill, Palo Alto
Hewlett Packard, 640 Pg Mill, Palo Alto
Intel, Santa Clara III, Santa Clara
Intel Magnetics/Micro Storage, SCI
International Business Machines, SJs
Intersil/Siemens, Cupertino
National Semiconductor, Santa Clara
Rhone-Poulenc/Sandoz, East Palo Alto
Signetics, Sunnyvale
Solvent Service, San Jose
Spectra Physics, Mountain View
Synertek #1, Santa Clara
Teledyne, Mountain View
TRW/FEI Microwave, Sunnyvale
Van Waters & Rogers, San Jose

EPA Lead--Non-Federal Facilities

Middlefield-Ellis-Whisman Sites, Mtn View
JASCO, Mountain View
Lorentz Barrel & Drum, San Jose
Westinghouse, Sunnyvale
United Heckathorn, Richmond

CAL EPA--Department of Toxics Substances Control Lead

Liquid Gold, Richmond

Products

For all sites where the RWQCB has the lead --

- Adoption of, amendments as necessary, and monitoring compliance with an enforceable order, e.g. State Site Cleanup Requirements (SCR), to ensure the timely compliance with EPA NCP requirements to include adopting RAP/ROD per the MSCA Grant's Special Conditions time schedule.

- Taking action as necessary to ensure RWQCB lead Superfund sites are in compliance with necessary EPA, DTSC, or RWQCB tasks or adopted requirements and the State/EPA Memorandum of Agreement on NPL Sites.

- Establish ARARs for NPL sites (coordinated with DTSC and EPA)

- Insure all Superfund sites are regulated consistently and in compliance with all existing environmental and federal laws.

- Conducting the following tasks similar to those detailed in the EPA OSWER Memorandum dated October 1, 1986, entitled, "CERCLA Funding of Oversight of Potentially Responsible Parties by States at National Priority List Sites" and as further detailed in the RI/FS Interim Guidance of October 1988 and subsequent EPA directives.

<u>Review Tasks:</u>
Review preliminary planning documents
Review and comment on scope of work and work plans
Review and comment on quality assurance project plans and site safety plans
Review and comment on draft RI reports
Review final RI reports
Review and discuss FS objectives
Review final FS
Review PRP monthly progress reports

Organize and participate in technical meetings on the RI/FS with PRPs, PRP contractors, and/or EPA.

Provide Technical Support and Implement the Community Relations Plans:
Discussions with the affected community in the locale of the site
Public comment period on the RI/FS
Briefing local and state officials
Holding public meetings on technical aspects of the site
Preparing fact sheets and press releases and disseminate information
Preparing responsiveness summaries of public concerns

Field Related Tasks:
Assist and review the PRP prepared detailed work plans
Environmental monitoring
Take and analyze limited split samples or confirmatory samples
On-site presence/inspection

•In addition, at RWQCB lead sites the following tasks will be accomplished by RWQCB staff or contracted by the RWQCB in this workplan:

Data Validation
Public Health Baseline Evaluation
Maintenance of the Administrative Record
Implement and Maintain Cost Recovery

While numerous tasks are shown, the sequence of tasks that will be performed for each RWQCB NPL lead site are different. The current status of the sites and projected work can be found in Appendix B and the most recent MSCA quarterly status reports. The completion requirements for this MSCA workplan are shown in Table II - 1. (Ref: page II-2)

It is proposed to implement this task utilizing Senior WRCE/Geologists/Environmental Specialist IV (Supervisor) to provide close supervision and technical leadership for the more difficult sites, as well as consistency between NPL sites; Associate WRCE/Geologists; and, administrative support (primarily day-to-day administrative staffing as well as the support for the establishment of the required Administrative Record and cost -recovery files). Total RWQCB staff time requirements for both "active" and "support" sites are shown on Tables III-2E2, -3E2, and -4E2.

For those sites where the RWQCB is the support agency, staff will provide support in the tasks described above to the extent necessary but not to exceed the staffing levels shown also on Table III-2E2, -3E2, and -4E2 unless previously approved by the EPA Program Manager.

Contracts with professional consultants may also be required to enable the RWQCB to accomplish this task in the areas of Baseline Public Health Evaluation, Analytical Laboratory Services, and Technical Assistance. An Interagency Agreement may also be utilized with DHS for Data Validation services. Estimates of contract budgets are shown on the budget Tables. Estimated technical staff Community Involvement hours are also included in this task.

Costs

Staffing and contract costs are shown on the attached budget tables III-2E2, -3E2, -4E2. All costs will be borne from MSCA funds.

TABLE III–2E2 Master Staff and Budget Workplan Estimate **NPL Site Oversight (Incl Community Involvement)**

Workplan's Distribution of Task Staff Years and Budget by Site -- 1 January 94 – 30 June 94

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NPL SITES	TOTAL WORKPLAN STATE STAFF YEARS									SUB TOTAL STATE SY	SUB TOTAL IPA SY	TOTAL TASK SY	State Staff			SPECIAL EXPENSE $	TRAVEL $	TOTAL IPA $	Cnslt IAG $	TOTAL WORKPLAN $
	Supv WRCE	Sr WRCE Geol ESIV	Assoc WRCE Geol	WRCE/ Engr Geol ESIII	Acct I (SWRCB)	Staff Svc Anal	Info Syst Tech	Off Tech	Temp Help (Stdnt)				SALARY $	FRINGE $	INDIRECT $					
Lead--Regional Water Qual Cont Board																				
1 Advanced Micro Devices (Arques), Sunnv		0.03	0.07					0.01	0.01	0.11		0.11	5,164	1,549	5,432		90		3,571	15,807
2 Advanced Micro Dev–Bldg 901/902, Sunnv		0.03	0.07					0.01	0.01	0.11		0.11	5,164	1,549	5,432		90		3,571	15,807
3 Advanced Micro Devices – Bldg 915, Sunnv		0.03	0.07					0.01	0.01	0.11		0.11	5,164	1,549	5,432		90		3,571	15,807
4 Applied Materials, Santa Clara		0.03	0.07					0.01	0.01	0.11		0.11	5,164	1,549	5,432		90		3,571	15,807
5 CTS Printex, Mountain View		0.03		0.07				0.01	0.01	0.11		0.11	5,164	1,549	5,432		90		3,571	15,807
6 Fairchild, San Jose		0.09	0.04					0.01	0.01	0.15		0.15	7,356	2,207	7,737		90		3,571	20,961
7 Hewlett Packard, 1501 Pg Mill, Palo Alto		0.09	0.24	0.10				0.02	0.02	0.46		0.46	21,050	6,315	22,141	3,000	270		3,571	56,348
8 Hewlett Packard, 640 Pg Mill, Palo Alto		0.09	0.24	0.10				0.02	0.02	0.46		0.46	21,050	6,315	22,141	3,000	270		3,571	56,348
9 Hexcel, Livermore	Not a part of this workplan																			
10 Intel, Santa Clara III, Santa Clara		0.03	0.07					0.01	0.01	0.11		0.11	5,164	1,549	5,432		90		3,571	15,807
11 Intel Magnetics/Micro Storage, SCl		0.03	0.07					0.01	0.01	0.11		0.11	5,164	1,549	5,432		90		3,571	15,807
12 International Business Machines, SJs		0.09	0.07					0.01	0.01	0.18		0.18	8,910	2,673	9,371		90		3,571	24,615
13 Intersil/Siemens, Cupertino		0.03	0.07					0.01	0.01	0.11		0.11	5,164	1,549	5,432		90		3,571	15,807
14 National Semiconductor, Santa Clara		0.03	0.07					0.01	0.01	0.11		0.11	5,164	1,549	5,432		180		3,571	15,897
15 Rhone–Poulenc/Sandoz, East Palo Alto		0.03	0.14					0.01	0.01	0.18		0.18	8,494	2,548	8,934		90		3,571	23,637
16 Signetics, Sunnyvale		0.03	0.07					0.01	0.01	0.11		0.11	5,164	1,549	5,432		90		3,571	15,807
17 Solvent Service, San Jose		0.03	0.07					0.01	0.01	0.11		0.11	5,164	1,549	5,432		90		3,571	15,807
18 Spectra Physics, Mountain View		0.03	0.07					0.01	0.01	0.11		0.11	5,164	1,549	5,432		90		3,571	15,807
19 Synertek #1, Santa Clara		0.03	0.07					0.01	0.01	0.11		0.11	5,164	1,549	5,432		90		3,571	15,807
20 Teledyne, Mountain View		0.03	0.07					0.01	0.01	0.11		0.11	5,164	1,549	5,432		90		3,571	15,807
21 TRW/FEI Microwave, Sunnyvale		0.03	0.07					0.01	0.01	0.11		0.11	5,164	1,549	5,432		90		3,571	15,807
22 Van Waters & Rogers, San Jose		0.03		0.07				0.01	0.01	0.11		0.11	4,682	1,405	4,924		90		3,571	14,672
EPA Lead -- Federal Facilities																				
1 Moffett NAS, Sunnyvale																				
EPA Lead--Non-Federal Facilities																				
1 Fairchild, Mountain View																				
2 Intel, Mountain View																				
3 Raytheon, Mountain View																				
Sum> Middlefield–Ellis–Whiteman Sites, Mtn View		0.03	0.07					0.01	0.01	0.11		0.11	5,164	1,549	5,432		88			12,213
4 JASCO, Mountain View		0.03	0.07					0.01	0.01	0.11		0.11	5,164	1,549	5,432		90			12,235
5 Loentz Barel & Drum, San Jose		0.03	0.07					0.01	0.01	0.11		0.11	5,164	1,549	5,432		90			12,235
6 Westinghouse, Sunnyvale		0.03	0.07					0.01	0.01	0.11		0.11	5,164	1,549	5,432		90			12,235
7 United Heckathorn, Richmond		0.03		0.07				0.01	0.01	0.11		0.11	4,682	1,405	4,924		90			11,101
CA Env Prot Agency–DTSC Lead																				
1 Liquid Gold, Richmond		0.03		0.07				0.01	0.01	0.11		0.11	4,682	1,405	4,924		90			11,101
Total Estimated State & IPA Staff Years & Dollars		0.97	2.01	0.48				0.24	0.24	3.92		3.92	$179,023	$53,707	$188,302	$6,000	$2,858		$100,000	$504,890

TABLE III-3E2

Master Staff and Budget Workplan Estimate

Workplan's Distribution of Task Staff Years and Budget by Site -- 1 July 94 -- 30 June 95

NPL Site Oversight (incl Community Involvement)

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NPL SITES	TOTAL WORKPLAN STATE STAFF YEARS												State Staff								
	Supv WRCE	Sr WRCE Geol ESIV	Assoc WRCE Geol	WRCE/ Engr Geol ESIII	Acct I (SWRCB)	Staff Svc Anal	Info Syst Tech	Off Tech	Temp Help (Stdnt)	SUB TOTAL STATE SY	SUB TOTAL IPA SY	TOTAL TASK SY	SALARY $	FRINGE $	INDIRECT $	SPEC EXPENS $	TRAVEL $	TOTAL IPA $	Cnslt IAG $	TOTAL WORKPLAN $
Lead--Regional Water Qual Cont Board																				
1 Advanced Micro Devices (Arques), Sunnv		0.06	0.14					0.01	0.01	0.22		0.22	10,273	3,082	10,806		180			24,340
2 Advanced Micro Dev--Bldg 901/902, Sunnv		0.06	0.14					0.01	0.01	0.22		0.22	10,273	3,082	10,806		180			24,340
3 Advanced Micro Devices -- Bldg 915, Sunnv		0.06	0.14					0.01	0.01	0.22		0.22	10,273	3,082	10,806		180			24,340
4 Applied Materials, Santa Clara		0.06	0.14					0.01	0.01	0.22		0.22	10,273	3,082	10,806		180			24,340
5 CTS Printex, Mountain View		0.06		0.14				0.01	0.01	0.22		0.22	10,273	3,082	10,806		180			24,340
6 Fairchild, San Jose		0.06	0.14					0.01	0.01	0.22		0.22	10,273	3,082	10,806		180			24,340
7 Hewlett Packard, 1501 Pg Mill, Palo Alto		0.14	0.33	0.09				0.02	0.02	0.61		0.61	28,163	8,449	29,623		270			66,504
8 Hewlett Packard, 640 Pg Mill, Palo Alto		0.14	0.33	0.09				0.02	0.02	0.61		0.61	28,163	8,449	29,623		270			66,504
9 Hexcel, Livermore	Not a part of this workplan																			
10 Intel, Santa Clara III, Santa Clara		0.06	0.14					0.01	0.01	0.22		0.22	10,273	3,082	10,806		180			24,340
11 Intel Magnetics/Micro Storage, SCl		0.06	0.14					0.01	0.01	0.22		0.22	10,273	3,082	10,806		180			24,340
12 International Business Machines, SJs		0.06	0.14					0.01	0.01	0.22		0.22	10,273	3,082	10,806		180			24,340
13 Intersil/Siemens, Cupertino		0.06	0.24					0.01	0.01	0.31		0.31	14,712	4,414	15,475		180			34,781
14 National Semiconductor, Santa Clara		0.10	0.24					0.01	0.01	0.35		0.35	16,759	5,028	17,627	2,000	180			41,593
15 Rhone-Poulenc/Sandoz, East Palo Alto		0.10	0.24					0.01	0.01	0.35		0.35	16,759	5,028	17,627	2,000	270			41,683
16 Signetics, Sunnyvale		0.06	0.14					0.01	0.01	0.22		0.22	10,273	3,082	10,806		180			24,340
17 Solvent Service, San Jose		0.06	0.14					0.01	0.01	0.22		0.22	10,273	3,082	10,806		180			24,340
18 Spectra Physics, Mountain View		0.06	0.14					0.01	0.01	0.22		0.22	10,273	3,082	10,806		180			24,340
19 Synertek #1, Santa Clara		0.06	0.14					0.01	0.01	0.22		0.22	10,273	3,082	10,806		180			24,340
20 Teledyne, Mountain View		0.06	0.14					0.01	0.01	0.22		0.22	10,273	3,082	10,806		180			24,340
21 TRW/FEI Microwave, Sunnyvale		0.06	0.14					0.01	0.01	0.22		0.22	10,273	3,082	10,806		180			24,340
22 Van Waters & Rogers, San Jose		0.06		0.14				0.01	0.01	0.22		0.22	9,308	2,793	9,791		180			22,072
EPA Lead -- Federal Facilities																				
1 Moffett NAS, Sunnyvale	Not a part of this workplan																			
EPA Lead--Non-Federal Facilities																				
1 Fairchild, Mountain View																				
2 Intel, Mountain View																				
3 Raytheon, Mountain View	Combined and summed below																			
Sum> Middlefield-Ellis-Whisman Sites, Mtn View		0.06	0.10					0.01	0.01	0.17		0.17	8,053	2,416	8,471		90			19,030
4 JASCO, Mountain View		0.06	0.10					0.01	0.01	0.17		0.17	8,053	2,416	8,471		90			19,030
5 Lorentz Barrel & Drum, San Jose		0.06	0.10					0.01	0.01	0.17		0.17	8,053	2,416	8,471		90			19,030
6 Westinghouse, Sunnyvale		0.06		0.09				0.01	0.01	0.17		0.17	8,053	2,416	8,471		90			19,030
7 United Heckathorn, Richmond																				
CA Env Prot Agency--DTSC Lead																				
1 Liquid Gold, Richmond		0.06		0.07				0.01	0.01	0.15		0.15	6,461	1,938	6,796		90			15,266
Total Estimated State & EPA Staff Years & Dollars		1.79	3.75	0.64				0.29	0.26	6.73		6.73	$314,045	$94,213	$330,322	$4,000	$4,590			$747,170

TABLE III–4E2 Master Staff and Budget Workplan Estimate **NPL Site Oversight (Incl Community Involvement)**

Workplan's Distribution of Task Staff Years and Budget by Site –– 1 July 95 – 30 June 96

16:27 01–Dec

NPL SITES	TOTAL WORKPLAN STATE STAFF YEARS										SUB TOTAL STATE SY	SUB TOTAL IPA SY	TOTAL TASK SY	State Staff			SPEC EXPENS $	TRAVEL $	TOTAL IPA $	Cnslt IAG $	TOTAL WORKPLAN $
	Supv WRCE	Sr WRCE Geol ES/V	Assoc WRCE Geol	WRCE/ Engr Geol ESIII	Accl I (SWRCB)	Staff Svc Anal	Info Syst Tech	Off Tech	Temp Help (Stdnt)					SALARY $	FRINGE $	INDIRECT $					
Lead––Regional Water Qual Cont Board																					
1 Advanced Micro Devices (Arques), Sunnv		0.06	0.14					0.01	0.01	0.22		0.22	10,730	3,219	11,266		180			25,414
2 Advanced Micro Dev–Bldg 901/902, Sunnv		0.06	0.14					0.01	0.01	0.22		0.22	10,730	3,219	11,266		180			25,414
3 Advanced Micro Devices – Bldg 915, Sunnv		0.09	0.24					0.01	0.01	0.35		0.35	17,539	5,262	18,448		180			41,430
4 Applied Materials, Santa Clara		0.06	0.14					0.01	0.01	0.22		0.22	10,730	3,219	11,266		180			25,414
5 CTS Printex, Mountain View		0.06		0.14				0.01	0.01	0.22		0.22	10,730	3,219	11,266		180			25,414
6 Fairchild, San Jose		0.06	0.14					0.01	0.01	0.22		0.22	10,730	3,219	11,266		180			25,414
7 Hewlett Packard, 1501 Pg Mill, Palo Alto		0.06	0.14	0.09				0.02	0.02	0.33		0.33	15,293	4,586	16,066		270			36,236
8 Hewlett Packard, 640 Pg Mill, Palo Alto		0.06	0.14	0.09				0.02	0.02	0.33		0.33	15,293	4,586	16,066		270			36,236
9 Hexcel, Livermore	Not a part of this workplan																			
10 Intel, Santa Clara III, Santa Clara		0.09	0.24					0.01	0.01	0.35		0.35	17,539	5,262	18,448		180			41,430
11 Intel Magnetics/Micro Storage, SCI		0.06	0.19					0.01	0.01	0.28		0.28	14,134	4,240	14,867		180			33,422
12 International Business Machines, SJs		0.06	0.14					0.01	0.01	0.22		0.22	10,730	3,219	11,266		180			25,414
13 Intersil/Siemens, Cupertino		0.06	0.14					0.01	0.01	0.22		0.22	10,730	3,219	11,266		180			25,414
14 National Semiconductor, Santa Clara		0.06	0.14					0.01	0.01	0.22		0.22	10,730	3,219	11,266		180			25,414
15 Rhone–Poulenc/Sandoz, East Palo Alto		0.06	0.14					0.01	0.01	0.22		0.22	10,730	3,219	11,266		270			25,504
16 Signetics, Sunnyvale		0.06	0.14					0.01	0.01	0.22		0.22	10,730	3,219	11,266		180			25,414
17 Solvent Servics, San Jose		0.06	0.14					0.01	0.01	0.22		0.22	10,730	3,219	11,266		180			25,414
18 Spectra Physics, Mountain View		0.06	0.19					0.01	0.01	0.28		0.28	14,134	4,240	14,867		180			33,422
19 Synertek #1, Santa Clara		0.09	0.24					0.01	0.01	0.35		0.35	17,539	5,262	18,448		180			41,430
20 Teledyne, Mountain View		0.06	0.19					0.01	0.01	0.28		0.28	14,134	4,240	14,867		180			33,422
21 TRW/FEI Microwave, Sunnyvale		0.06	0.14					0.01	0.01	0.22		0.22	10,730	3,219	11,266		180			25,414
22 Van Waters & Rogers, San Jose		0.06		0.14				0.01	0.01	0.22		0.22	9,717	2,915	10,220		180			23,032
EPA Lead – Federal Facilities																				
1 Moffett NAS, Sunnyvale	Not a part of this workplan																			
EPA Lead––Non–Federal Facilities																				
1 Fairchild, Mountain View																				
2 Intel, Mountain View																				
3 Raytheon, Mountain View	Combined and summed below																			
Sum> Middlefield–Ellis–Whisman Sites, Mtn View		0.06	0.10					0.01	0.01	0.17		0.17	8,399	2,520	8,634		90			19,843
4 JASCO, Mountain View		0.06	0.10					0.01	0.01	0.17		0.17	8,399	2,520	8,634		90			19,843
5 Lorentz Barrel & Drum, San Jose		0.06	0.10					0.01	0.01	0.17		0.17	8,399	2,520	8,634		90			19,843
6 Westinghouse, Sunnyvale		0.06	0.10					0.01	0.01	0.17		0.17	8,399	2,520	8,634		90			19,843
7 United Heckathorn, Richmond		0.06		0.09				0.01	0.01	0.17		0.17	7,724	2,317	8,124		90			18,255
CA Env Prot Agency–DTSC Lead																				
1 Liquid Gold, Richmond		0.06		0.07				0.01	0.01	0.15		0.15	6,727	2,018	7,076		90			15,911
Total Estimated State & IPA Staff Years & Dollars		1.71	3.52	0.84				0.26	0.24	6.36		6.36	$312,124	$93,637	$328,302		$4,500			$738,053