SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

MEMORANDUM

DATE: July 11, 1985
TO: Engineering Division Personnel
FROM: Sanford M. Weiss, Director of Engineering /s/ SMW
SUBJECT: Source Testing

I am sure that you are aware that a major program in the District is to source test major sources of air pollution on a periodic basis. To assist the Enforcement Division's Source Testing Branch, I have previously asked that you make a conscientious effort to provide sampling facilities for such periodic source testing. I would like to now remind you of that requirement.

Please be certain that whenever you grant a permit to construct for a unit emitting NOx, SOx, or particulates, that you provide in the permit to construct for the necessary sampling facilities. Such provisions should be made for permit units emitting 25 tons per year or more. In addition, whenever the engineer's judgement would lead to a conclusion that source testing may be required for other emissions, or other equipment sizes, such sampling facilities should be provided.

Please adhere to this requirement, since it is important to the District's program.

SMW:aa

cc: E. Camarena

THIS MEMO NO LONGER APPLIES

Source Tested Boilers

APPL. NO.	BOILER	RATING	MODEL NO.	TYPE	BURNER	CONTROL	FUEL	CORRNOX	LB/HR NOX	PPMCO
176277	HERCULES	15000	EW-400-900	WATERTUBE	TODD	LNB	NAT GAS	28		104
177084	DIXON	12600	WW-5	SCOTCH MARINE	RAY PGPP SIZE 8	FGR W/O2 TRIM	NAT GAS	35	0.270000011	6
190651	CLEAVER-BROOKS	2510	CB-700-60	FIRE-TUBE	CLEAVER-BROOKS CB-700	FGR	NAT GAS	26.79999924	0.109999999	3.599999905
109651	CLEAVER-BROOKS	2510	CB-700-60	FIRE-TUBE	CLEAVER-BROOKS CB-700	FGR	NAT GAS	26.29999924	0.109999999	3.5
201488	RAYPAK		H-4001A-CE	ATMOSPHERE	RAYPAK	LO-NOX BURNER	NAT GAS	25	0.07	144
205828	CLEAVER-BROOKS	25106	CB-200-600	FIRE-TUBE	CLEAVER-BROOKS	FGR W/O2 TRIM	NAT GAS	31.79999924		17
217313	CLEAVER-BROOKS	8500	CB-200-200	FIRE-TUBE	CLEAVER-BROOKS CB-200	FGR AND O2 TRIM	NAT GAS	31.29999924		4.699999809
219316	CLEAVER-BROOKS	8370	CB-700-200	FIRE-TUBE	CLEAVER-BROOKS	FGR W/O2 TRIM	NAT GAS	27.39999962	0.289999992	22.5
222653	SUPERIOR	19500	500A	FIRE-TUBE	IND. COMB.LND-210	LNB W/IFGR	NAT GAS	21.10000038	0.129999995	37.20000076
222730	DIXON	7875	WW-3	SCOTCH MARINE	COEN MICRO-NOX SDAP 200/500	LNB W/IFGR	NAT GAS	37.97999954	0.100000001	1.169999957
222734	DIXON	15000	SMWM	SCOTCH MARINE	IC LNDG-145S	LO NOX BURNER/FGR	NAT GAS	29		33
223190	CLEAVER BROOKS	20930	CB-200-500	FIRE-TUBE	CLEAVER BROOKS CB-200	FGR W/ O2 TRIM	NAT GAS	36.09999847	0.860000014	204.6999969
223411	DIXON	12600	WW-8	SCOTCH MARINE	COEN SDAF-12	LNB W/ IFGR	NAT GAS	31.12999916	0.090000004	188.7599945
223411	DIXON	12600	WW-8	SCOTCH MARINE	COEN SDAF-12	LNB W/ IFGR	PROPANE	35.06999969	0.140000001	283.8500061
223488	SELLERS	10462	105E	FIRE-TUBE	SELLERS 105E		NAT GAS	27.39999962		0.300000012
223520	DIXON	15691	WW-6	FIRE-TUBE	IND. COMB. LND-175	LNB	NAT GAS	27.5	0.439999998	118.5999985
223521	DIXON	21000	WW-8	FIRE-TUBE	IND. COMB. LND-252	LNB	NAT GAS	23.5	0.479999989	45
223543	DIXON	12600	WW-5	WATER TUBE	COEN SDAF	LNB WITH IFGR	NAT GAS	37.29000092	0.159999996	206.9900055
223557	OCEAN SHORE	16737		SCOTCH MARINE	JOHN ZINK 148	LNB W/IFGR	NAT GAS	16.39999962		30.39999962
223756	DIXON	31500	WW-10	MIDDLE	JOHN ZINK MODEL AVC	LNB WITH IFGR	NAT GAS	18.79999924		24.39999962
223790	CLEAVER-BROOKS	20950		FIRE-TUBE	CLEAVER BROOKS CB200	LO-NOX BURNER	NAT GAS	31.10000038	0.800000012	115
223791	CLEAVER-BROOKS	16737		FIRE-TUBE	CLEAVER BROOKS CB200	LO NOX BURNER	NAT GAS	36.20000076	0.939999998	1
223794	SUPERIOR AZTEC	10500	42450-87		COEN SDAF-10	LNB W/IFGR	NAT GAS	33.63999939	0.129999995	5.280000021
223796	B&W	10983	FM400HP			FGR	NAT GAS	36.40000153		108.5
223796	B&W	10983	FM400HP			FGR	PROPANE	38.5		120.5999985
223992	CLEAVER BROOKS	14650	CB200-350		CLEAVER BROOKS	FGR W/ O2 TRIM	NAT GAS	36.38999939	0.379999995	137
223993	CLEAVER BROOKS	14650	CB200-350		CLEAVER BROOKS	FGR W/ O2 TRIM	NAT GAS	37.20999908	0.389999986	7
223993	CLEAVER BROOKS	14650	CB200-350		CLEAVER BROOKS	FGR W/ O2 TRIM	NAT GAS	34.81000137	0.699999988	2.099999905
224340	WICK	19000	STATE 1653-65	WATER-TUBE	NOVA HP-E10	LNB W/FGR	NAT GAS	31.84000015	1.398000002	5.170000076
224328	CLAYTON	8400		ATMOSPHERE	CLAYTON BE-202-2E	FGR	NAT GAS	18.20000076	0.189999998	12
224526	DIXON	6277	WW-1	FIRE-TUBE	ALZETA PYROCORE	CERAMIC BURNER	NAT GAS	6.400000095		49
224712	HERCULES	16800	DD400-900	WATER-TUBE	COEN SDAP-14	LNB W/FGR, O2 TRIM	NAT GAS	37.5	0.209999993	29
230770	KEWANEE	10500	L3S-300GO	FIRE-TUBE	IND. COMB. LND-105	LNB W/FGR	NAT GAS	37	0.230000004	40
236130	AJAX	7500	WGFD-7500	WATER-TUBE	POWERFLAME NOVA CR4G30	FGR	NAT GAS	26.48999977		6.320000172
236131	AJAX	7500	WGFD-7500	WATER-TUBE	POWERFLAME NOVA CR4G30	FGR	NAT GAS	29.64999962		21.80999947
236446	DIXON	8400	SK-10	SCOTCH MARINE	RAY PGPP SIZE 6	FGR	NAT GAS	34.95999908		2
236447	DIXON	8400	SK-10	SCOTCH MARINE	RAY PGPP SIZE 6	FGR	NAT GAS	35.08000183		6
239234	UNKNOWN	4000		ATMOSPHERIC		FGR	NAT GAS	30	0.109999999	240
241016	IND. PACEMAKER	12600	BS5-FDH-300	FIRE-TUBE	WEBSTER HDRV-75	LNB W/FGR	NAT GAS	26.88999939	0.370000005	3.720000029
241016	IND. PACEMAKER	12600	BS5-FDH-300	FIRE-TUBE	WEBSTER HDRV-75	LNB W/FGR	PROPANE	27.35000038	0.449999988	0
242349	RITE	3400			GORDON PLATT	LNB WITH FGR	NAT GAS	26.89999962	0.209999993	155
244288	DIXON	6300	WW-1	SCOTCH MARINE	CSI NOXMISER	LNB WITH FGR	NAT GAS	30.28000069	0.050000001	89.5
244471	DIXON	8400	WW-5	SCOTCH MARINE	COEN SDAF-10	LNB	NAT GAS	32.43000031	0.25	102
244964	DIXON	10500	WW-5	FIRE-TUBE	COEN SDAF-10	LNB W/ IFGR	NAT GAS	35.54000092	0.449999988	91.36000061
245083	ECLIPSE	6300	4000MVDOW	WATER-TUBE	POWERFLAME C4-G-25	LNB W/FGR	NAT GAS	38.40000153	0.280000001	1.600000024
245083	ECLIPSE	6300	4000MVDOW	WATER-TUBE	POWERFLAME C4-G-25	LNB W/FGR	PROPANE	38.20000076	0.289999992	169
245090	DIXON	8400	SK-10	SCOTCH MARINE	IND. COMB. LND-105	LNB W/IFGR	NAT GAS	31.10000038	0.310000002	36.20000076

Source Tested Boilers

APPL. NO.	BOILER	RATING	MODEL NO.	TYPE	BURNER	CONTROL	FUEL	CORRNOX	LB/HR NOX	PPMCO
245098	KEWANEE	8400	L35-200	FIRE-TUBE	ARIAN NO-NOX-200	LNB W/ FGR	NAT GAS	38.5	0.280000001	11
245099	KEWANEE	8400	L35-200	FIRE-TUBE	ARIAN NO-NOX-200	LNB W/ FGR	NAT GAS	38.5	0.280000001	11
245156	CLEAVER BROOKS	6300	CB-200-150	FIRE-TUBE	ALZETA FC19-4SC30	LNB	NAT GAS	11.80000019	0.097999997	21.5
245159	CLAYTON	8400	B-202SE-FGR	WATER-TUBE	CLAYTON BG-202	IFGR	NAT GAS	28.39999962	0.25999999	18.79999924
245160	CLAYTON	8400	B-202SE-FGR	WATER-TUBE	CLAYTON BG-202	IFGR	NAT GAS	33.79999924	0.310000002	4.199999809
245160	CLAYTON	8400	B-202SE-FGR	WATER-TUBE	CLAYTON BG-202	IFGR	PROPANE	40	0.389999986	2.700000048
245409	CLEAVER BROOKS	12600	CB-200-300	FIRE TUBE	VITIOTHERM VG-3000	LNB W/FGR W/ O2 TRIM	PROPANE	36.88999939	0.439999998	17.90999985
245411	DIXON	8400	WW-3	SCOTCH MARINE	COEN SDAF-10	LNB W/ IFGR	NAT GAS	30.31999969	0.310000002	58.63999939
245438	DIXON	6300	WW-3	SCOTCH MARINE	COMB SPECIALTIES N4-50	LNB W/ IFGR	NAT GAS	24.04000092	0.050000001	66.37000275
245801	KEMCO	7500	TE 100	ATMOSPHERIC	MAXON 400EB3	FGR	NAT GAS	27.22999954	0.25	173.7599945
246414	MURRAY	18400	MD220	WATER-TUBE	COEN SDAF-14	LNB W/IFGR	NAT GAS	30.45000076	0.629999995	74.98000336
246626	FITZGIBBONS	10425	DM-425	FIRE-TUBE	VITOTHERM VG-2500	LNB W/IFGR	NAT GAS	30.40999985	0.189999998	7.039999962
248570	CLEAVER BROOKS	14700	CB200-350	FIRE-TUBE	CB	LNB W/IFGR	NAT GAS	33.40000153	0.189999998	4.800000191
248830	JOHNSTONE	16740	PFT4 400L/LNF4	WATER-TUBE	JOHNSTONE 5094P	FGR	NAT GAS	24.29999924		312
249915	ABCO	10500	250 AMC		POWERFLAME NOVA LNC-5-G-30B	LNB W/FGR	NAT GAS	33.75999832	0.430000007	0.100000001
252052	KEWANEE	10400	L3W 250 GO2	FIRE-TUBE	YORK SHIPLEY YS/24-N	LNB	NAT GAS	22.20000076	0.140000001	9.5
252671	CLEAVER-BROOKS	6000	M4HP700-6000	WATER-TUBE	CLEAVER-BROOKS CB-6000	FGR	NAT GAS	29.29999924		23.20000076
252672	CLEAVER-BROOKS	6000	M4HP700-6000	WATER-TUBE	CLEAVER-BROOKS CB-6000	FGR	NAT GAS	30.5		11.60000038
253140	KEMCO	12600	PFT4 400L/LNF4	WATER-TUBE	MAXON EB7	FGR	NAT GAS	23.5		5.599999905
254844	SELLERS	12600	SL-LN390	FIRE-TUBE	SELLERS		NAT GAS	24.89999962	0.400000006	50.90000153
254844	SELLERS	12600	SL-LN390	FIRE-TUBE	SELLERS		NAT GAS	25.20000076	0.400000006	50.90000153
254844	SELLERS	12600	SL-LN390	FIRE-TUBE	SELLERS	FGR	NAT GAS	35.70000076	0.699999988	201
254958	MIURA	8220	LX200SG	WATER-TUBE	MIURA		NAT GAS	20.47999954	0.200000003	158
254958	MIURA	4105	LX100	WATER-TUBE	MIURA		NAT GAS	21.44000053	0.119999997	100
254958	MIURA	4105	LX100	WATER-TUBE	MIURA		NAT GAS	21.44000053	0.119999997	100
255136	YORK-SHIPLEY	16750	5PH Y3029	FIRE-TUBE	YORK-SHIPLEY 400-N-29/LN	LNB W/O2 TRIM	NAT GAS	24.11000061	0.109999999	15.31000042
256316	SUPERIOR	8400	5-5-1024-L	SCOTCH MARINE	IND. COMB. LND-105P	LNB W/ IFGR	NAT GAS	30.5	0.270000011	37.20000076
256952	KEWANEE	14194	L3W-400-G02	FIRE-TUBE	IND. COMB. LND-210	LNB W/ FGR	NAT GAS	20.79999924	0.529999971	6.699999809
256952	KEWANEE	14194	L3W-400-G02	FIRE-TUBE	IND. COMB. LND-210	LNB W/ FGR	FUEL OIL	35.40000153	0.740000001	145
257871	KEWANEE	8370	H3S200-G		IND.COMB. IC-LND-105P	LNB W/ IFGR	NAT GAS	30.79999924	0.469999999	84.8000305
258257	CLEAVER BROOKS	6000	MHW-200-6000	WATER-TUBE	CLEAVER BROOKS	FGR	NAT GAS	39.59999847		78.59999847
258258	CLEAVER BROOKS	6000	MWH-200-6000	WATER-TUBE	CLEAVER BROOKS	FGR	NAT GAS	34.09999847		177.5
258294	DIXON	8400	WW-3	FIRE-TUBE	VITOTHERM 2502	LNB W/IFGR	NAT GAS	28.71999931	0.289999992	0.25
258634	DIXON	8300	SK8	ATMOSPHERIC	RAY MODEL PGPF	IFGR	NAT GAS	38.95000076	0.419999987	40
259255	JOHNSTON	16750	PFTA 600-40	FIRE-TUBE	YORK-SHIPLEY 400-N-29/LN	LNB W/ O2 TRIM	NAT GAS	27.29999924	0.529999971	72.77999878
259949	RITE	6000	600 WG		GORDON-PLATT R12-6-50	FGR	NAT GAS	35	0.202999994	28
259949	RITE	6000	600 WG		GORDON-PLATT R12-6-50	FGR	NAT GAS	30	0.236000001	35
260494	KEWANEE	6300	HS-15060	SCOTCH MARINE	KEWANEE CLASSIC MODEL 150	FGR	NAT GAS	35.02000046	0.209999993	67.83000183
260559	CONTINENTAL	12600	12285	WATER-TUBE	POWER FLAME LNC6-G-30	LNB W/ IFGR	NAT GAS	27	0.109999999	78.09999847
261622	KEWANEE	6300	35-150-60		COEN SDAF-10	LNB W/ IFGR	NAT GAS	33.59999847	0.170000002	9.829999924
262240	DIXON	6300	SK-8	SCOTCH MARINE	COMB. SPEC. N4-150	LNB W/ IFGR	NAT GAS	34.63000107	0.259999999	28.87999914
262824	DIXON	8369	CB-200-200	SCOTCH MARINE	CLEAVER BROOKS	IFGR	NAT GAS	39.15000153	0.349999994	23
271108	CLEAVER BROOKS	8300	CB-700-200	FIRE-TUBE	CLEAVER BROOKS CB-700	IFGR	NAT GAS	32.59000015		25.94000053