

**CONOCOPHILLIPS COMPANY
LOS ANGELES REFINERY, WILMINGTON PLANT
UK FLARE**

Reporting Period

October 1, 2003 - December 31, 2003

DAILY EMISSIONS FROM FLARES

	EMISSIONS (LBS)				Total Gas Flow MSCF	Sulfur ppm
	ROG	CO	SOX as SO2			
1.2	6.8	0.9	58.5			89
	3.4	36.4	30.8			7108
	5.4	123.0	52.4			14127
		552.3	157.2			
		152.1	32.5			
	4.2	24.8	526.0	64.3	1041	49221
	1.6	9.2	177.7	22.1	1131	46392
	1.8	10.6	185.8	23.5	1220	47563
	5.8	34.3	549.1	70.7	1310	46735
	7.6	44.6	657.7	86.2	1399	45906
	8.1	47.5	645.8	86.2	1489	45077
	9.7	57.2	720.0	97.9		44248
			46.9	504.8		39793
10/16/2003	1.5	7.9	46.3	71.8		35338
10/17/2003	1.5	8.4	49.4	73.2		30882
10/18/2003	1.6	10.3	9.3	54.8	340.8	26427
10/19/2003	1.8	10.3	9.5	55.9	277.2	75.9
10/20/2003	4.2	28.4	28.3	154.7	587.3	201.7
10/21/2003	1.8	12.4	11.5	67.6	184.1	84.8
10/22/2003	1.7	12.6	11.7	68.8	118.9	83.1
10/23/2003	1.9	12.6	15.6	88.4	118.4	88.5
10/24/2003	1.1	6.9	6.4	37.7	65.4	52.5
10/25/2003	1.1	6.4	5.9	34.8	60.7	52.6
10/26/2003	1.3	7.1	6.5	38.4	87.3	63.3
10/27/2003	1.6	7.7	7.1	41.7	73.5	75.7
10/28/2003	1.8	8.0	7.4	43.5	77.2	67.8
						1339
						5267

10/29/2003	0.7	2.8	2.6	15.2	27.2	34.6	1189	4734
10/30/2003	1.3	5.0	4.5	27.1	52.7	61.6	1184	5129
10/31/2003	1.6	6.2	5.8	33.8	71.0	77.4	1180	5523
11/1/2003	1.8	6.7	6.2	36.6	82.7	84.1	1175	5918
11/2/2003	1.9	7.2	6.7	39.4	95.4	96.9	1170	5312
11/3/2003	1.2	4.5	4.1	24.3	62.9	56.4	1165	6707
11/4/2003	1.6	5.8	5.4	31.7	87.2	73.9	1161	7101
11/5/2003	1.3	4.9	4.5	26.6	77.6	62.3	1156	7496
11/6/2003	1.2	4.7	4.3	25.4	72.8	57.2	1201	7658
11/7/2003	1.2	4.9	4.6	26.9	75.9	58.4	1245	7819
11/8/2003	1.1	4.6	4.2	24.9	69.1	52.1	1290	7981
11/9/2003	0.2	1.1	1.0	5.7	15.7	11.6	1334	8143
11/10/2003	1.4	6.1	5.7	33.2	89.9	65.1	1379	8305
11/11/2003	1.1	5.0	4.6	27.0	72.0	51.2	1423	8466
11/12/2003	1.2	5.5	5.1	29.8	78.7	54.9	1458	8628
11/13/2003	1.5	7.1	6.5	38.5	130.4	71.9	1446	10912
11/14/2003	1.4	6.6	6.1	36.1	150.2	68.5	1424	13195
11/15/2003	0.5	2.4	2.2	12.8	63.5	24.7	1402	15479
11/16/2003	0.2	1.1	1.0	5.8	33.4	11.3	1380	17763
11/17/2003	1.1	5.0	4.7	27.3	181.2	54.4	1358	20047
11/18/2003	3.4	14.9	13.8	81.0	608.3	163.9	1336	22330
11/19/2003	1.6	5.8	6.3	36.9	310.1	75.8	1314	24614
11/20/2003	1.5	6.4	5.9	34.6	265.1	72.1	1305	23793
11/21/2003	0.7	3.1	2.8	16.7	133.2	34.9	1296	22971
11/22/2003	1.6	6.6	6.1	35.9	277.6	75.4	1287	22150
11/23/2003	1.9	7.8	7.3	42.6	319.7	90.2	1277	21329
11/24/2003	1.2	5.0	4.8	27.1	197.0	57.8	1268	20508
11/25/2003	1.3	5.4	5.0	29.2	205.1	62.7	1259	19686
11/26/2003	1.5	5.9	5.5	32.3	218.8	69.8	1250	18865
11/27/2003	1.7	6.9	6.4	37.5	244.6	80.7	1255	18239
11/28/2003	1.0	4.1	3.8	22.3	140.2	47.9	1259	17612
11/29/2003	1.2	4.9	4.6	26.7	161.5	57.2	1264	16996
11/30/2003	0.5	2.2	2.1	12.2	70.4	25.9	1266	16359
12/1/2003	0.4	1.7	1.5	9.0	50.2	19.2	1273	15733
12/2/2003	4.1	16.9	15.7	92.2	489.7	195.1	1277	15106
12/3/2003	4.6	19.0	17.6	103.8	525.6	218.4	1282	14480
12/4/2003	4.0	16.5	15.3	89.9	427.9	189.6	1281	13577
12/5/2003	1.0	4.2	3.9	23.0	102.4	48.6	1280	12674
12/6/2003	0.6	2.4	2.3	13.3	55.0	28.1	1278	11771
12/7/2003	0.1	0.4	0.3	1.9	7.4	4.1	1277	10866
12/8/2003	1.5	6.3	5.8	34.1	119.7	72.3	1276	9965
12/9/2003	1.4	5.9	5.4	35.9	102.0	67.7	1275	9062
12/10/2003	0.8	3.5	3.2	18.9	54.2	40.0	1274	8159
12/11/2003	1.0	4.8	4.4	26.0	68.0	49.7	1412	8233
12/12/2003	1.3	6.6	6.1	35.7	85.9	62.2	1551	8308
12/13/2003	1.4	7.8	7.3	42.7	95.2	68.3	1689	8382
12/14/2003	3.5	21.0	19.4	114.2	237.3	166.9	1827	8457
12/15/2003	4.3	27.2	25.2	147.9	288.3	203.3	1965	8531
12/16/2003	4.9	33.5	31.0	182.2	334.9	234.1	2104	8606
12/17/2003	1.2	8.7	8.0	47.1	81.9	56.8	2242	8680
12/18/2003	1.5	11.8	10.9	64.3	90.3	72.7	2389	7474
12/19/2003	1.5	11.9	11.1	64.9	72.1	69.2	2537	6266
12/20/2003	0.6	5.6	5.2	30.7	26.0	30.9	2584	5062
12/21/2003	1.4	12.5	11.6	68.9	41.6	64.9	2831	3855
12/22/2003	2.1	20.7	19.2	112.7	45.0	102.3	2978	2649
12/23/2003	0.9	9.2	8.5	49.8	10.3	43.1	3126	1443
12/24/2003	1.2	12.3	11.4	66.7	22	55.1	3273	237
12/25/2003	1.1	11.5	10.7	62.7	6.3	53.2	3183	717
12/26/2003	2.1	21.0	19.5	114.2	19.9	99.8	3094	1198
12/27/2003	2.2	21.5	19.9	117.2	29.4	105.4	3004	1678
12/28/2003	2.0	18.7	17.3	101.6	33.8	94.2	2915	2159
12/29/2003	1.2	11.0	10.2	60.1	25.2	57.5	2825	2639
12/30/2003	2.0	18.0	16.7	98.0	50.2	98.8	2736	3120
12/31/2003	2.9	24.4	22.8	133.0	61.3	135.6	2646	3600
Sum for Quart	144	808	746	4384	16463	8859		
Pilot/Purge G4	6.6	302.4	9.2	76.1	84.1	1092		
Quarter Total	151	1168	756	4488	16547	7351		
Average Daily	1.7	12.2	8.3	49.0	181.8	87.4		

**CONOCOPHILLIPS COMPANY
LOS ANGELES REFINERY, WILMINGTON PLANT
LIK FLARE**

Monitor System: System Downtime

Breakdowns and unplanned Maintenance

Planned Maintenance

Start (Date/Time)	End (Date/Time)	Hours Offtime	Explanation
None			
Total time for quarter:		0:00	hours

Recordable events with no samples collected

Assumptions:

Criteria pollutants were calculated using interpolated sample results for days with low activity and no sample.

For days that had one or more flare events the lab results or estimations were used as representative for the entire day. This results in some over estimation and will be refined to be more representative in future reports.

Sulfur content and Higher heating value were estimated for events that did not have sample results available. The estimates were calculated per the Rule 1118 Plan using results from similar events and similar time frame.

Estimates for unknown sources were calculated from event information during a similar time frame.