



Shell Oil Products US

Martinez Refinery
PO Box 711
Martinez, CA 94553-0071

CERTIFIED MAIL

July 25, 2008

Compliance Project Manager
Docket #93-SPPE-1
California Energy Commission
1516 Ninth Street (MS-2000)
Sacramento, CA 95814

DOCKET 93-SPPE-1C	
DATE	JUL 25 2008
RECD.	JUL 31 2008

Dear Sir,

Re: Compliance Verifications – Second Quarter 2008 Report

Pursuant to Specific Compliance Condition I. - Air Quality, Air- 1 of 93 SPPE-1, we are providing a quarterly report of air pollutant emissions. The report consists of sections of the monthly reports described in Condition M of the Authority to Construct, and issued to the BAAQMD. This report covers the second quarter, 2008.

If additional information is required concerning this matter, please contact K. P. Wheeler at (925) 313-3722.

Very truly yours,

Lynley C. Harris
Manager, Environmental Affairs Department
Shell Oil Products US Martinez Refinery

Enclosure

BAY AREA
AIR QUALITY MANAGEMENT DISTRICT
SHELL MARTINEZ REFINING COMPANY
MONTHLY REPORT

COMPANY: SHELL OIL PRODUCTS CO.
PLANT NO: 11
MONTH: April 2008

POLLUTANT	12-MONTH EMISSION LIMITS		MONTHLY TRIGGER LEVELS	
	LIMIT (TON/YR)	ACTUAL (TON/YR)	LIMIT (TON/MO)	ACTUAL (TON/MO)
NOx	199.4	92.0	20.8	6.35
CO	252.4	171.1	26.3	13.00
SO2	139.7	97.7	14.6	8.92
PM/PM10	59.1	39.7	6.2	2.88
POC	132.0	70.4	13.7	4.55

SOURCES INCLUDED IN EMISSION SUMMARY

COMBUSTION SOURCES

S-4002 DELAYED COKER UNIT FURNACE #1
S-4003 DELAYED COKER UNIT FURNACE #2
S-4021 DHT RECYCLE GAS HEATER
S-4031 CRACK GAS BOTTOMING REBOILER HTR
S-4141 HGHT FEED HEATER
S-4161 HYDROGEN PLANT SMR FURNACE
S-4171 LHT-2 FEED HEATER
S-4190 BOILER 6 GAS TURBINE #1
S-4191 BOILER 6 SUPPL STEAM GENERATOR #1
S-4192 BOILER 6 GAS TURBINE #2
S-4193 BOILER 6 SUPPL STEAM GENERATOR #2

SRU #4

A-4180 SRU-4 SCOT UNIT
A-4181 SRU-4 SCOT THERMAL OXIIDIZER
A-4347 SULFUR PIT

TANKAGE

S-4307 MDEA MAKE-UP TANK
S-4309 DEA TANK #1
S-4310 SOUR WATER TANK
S-4319 RECOVERED OIL TANK
S-4334 ALKYLATE TANK
S-4350 PROCESS WASTEWATER TANK
S-4356 PROCESS WASTEWATER TANK

BAY AREA
 AIR QUALITY MANAGEMENT DISTRICT
 SHELL MARTINEZ REFINING COMPANY
 MONTHLY REPORT

COMPANY: SHELL OIL PRODUCTS CO.
 PLANT NO: 11
 MONTH: April 2008

SOURCE: FUEL USE SUMMARY

FUEL TYPE (MMBTU)	COGEN	HP-3	FURNACES w/ SCR	FURNACES w/ LOW NOX BURNERS
RFG	73793	134167	55223	0
FXG	0	81186	73341	0
PSA	0	371654	0	0
NATURAL GAS	476767	0	0	10330

BAY AREA
 AIR QUALITY MANAGEMENT DISTRICT
 SHELL MARTINEZ REFINING COMPANY
 MONTHLY REPORT

COMPANY: SHELL OIL PRODUCTS CO.
 PLANT NO: 11
 MONTH: April 2008

SOURCE: EMISSION SUMMARY BY
 TYPE

TYPE	NOx (LB/MONTH)	CO (LB/MONTH)	SO2 (LB/MONTH)	PM/PM10 (LB/MONTH)	POC (LB/MONTH)
COGEN/BOILERS	7980	8809	1353	2753	7157
FURN ABATED BY SCR	207	4500	4854	643	386
FURN W/ LOW NOx BURN	385	362	6	52	31
HYDROGEN PLANT	4131	12326	6591	2191	1241
OTHERS*	0	0	0	0	0
RAIL/TRUCK LOADING	0	0	0	123	0
SCOT UNIT	NA	NA	5031	NA	NA
TANKS	0	0	0	0	289
TOTAL	12702	25996	17835	5762	9103

* OTHER emissions are from flaring events

BAY AREA
 AIR QUALITY MANAGEMENT DISTRICT
 SHELL MARTINEZ REFINING COMPANY
 MONTHLY REPORT

COMPANY: SHELL OIL PRODUCTS CO.
 PLANT NO: 11
 MONTH: April 2008

SOURCE: COGEN S-4190,
 S-4191, S-4192, S-4193
 CONDITION: 24

DAY OF MONTH	NOX (LBS/DAY) LIMIT:610	3 HR MAX NOx @ 15% O2 (PPMV) LIMIT:5		POC (LBS/DAY) LIMIT:500	SO2 (LBS/DAY) LIMIT:458	PM10 LIMIT (LBS/DAY)	PM10 ACTUAL (LBS/DAY)
		S-4191	S-4193				
		1	197				
2	259	4	4	240	44	715	92
3	272	4	4	243	51	705	93
4	349	4	4	316	58	663	122
5	345	4	4	314	55	666	121
6	339	4	4	307	53	669	118
7	334	4	4	303	54	672	117
8	334	4	4	303	53	672	117
9	313	4	4	284	45	687	109
10	329	4	4	299	50	676	115
11	339	4	4	308	55	669	119
12	197	S/D	4	181	34	752	69
13	191	S/D	4	174	27	758	67
14	203	S/D	4	185	33	749	71
15	201	S/D	4	185	36	749	71
16	207	S/D	4	189	37	745	73
17	211	S/D	4	197	39	743	76
18	208	S/D	4	189	36	745	73
19	211	S/D	4	192	37	743	74
20	312	S/D	4	193	95	667	74
21	233	S/D	4	209	43	730	80
22	216	S/D	4	197	38	741	76
23	216	S/D	4	197	36	741	76
24	214	S/D	4	194	38	741	75
25	214	S/D	4	195	48	737	75
26	207	S/D	4	189	33	747	73
27	229	S/U	4	210	37	734	81
28	362	4	4	330	46	660	127
29	363	4	4	329	49	658	127
30	372	4	4	338	57	651	130
TOTAL	7980			7167	1353		2757

BAY AREA
 AIR QUALITY MANAGEMENT DISTRICT
 SHELL MARTINEZ REFINING COMPANY
 MONTHLY REPORT

COMPANY: SHELL OIL PRODUCTS CO.
 PLANT NO: 11
 MONTH: April 2008

SOURCE: COGEN S-4190,
 S-4191, S-4192, S-4193
 POLLUTANT: NOX, SO2

II. STATEMENT OF EXCESS EMISSIONS* (Negative declaration required)

DATE	TIME	DURATION	MAGNITUDE	REMARKS
				None this reporting period.

*Excess for this source is:

- 1) Emission of NOx exceeding 5 ppmv, dry, @ 15% O2, 3 hour average.
- 2) Emission of NOx exceeding 610 ppd, combined sources
- 2) Emission of SO2 exceeding 458 ppd, combined sources

III. MONITOR MALFUNCTION/DOWNTIME

DATE	TIME	DURATION	PROBLEM/CORRECTIVE ACTION
4/3/08	12:30	3hrs. 10min.	Peristaltic pump stuck open venting analyzer sample.

BAY AREA
AIR QUALITY MANAGEMENT DISTRICT
SHELL MARTINEZ REFINING COMPANY
MONTHLY REPORT

COMPANY: SHELL OIL PRODUCTS CO.
PLANT NO: 11
MONTH: May 2008

POLLUTANT	12-MONTH EMISSION LIMITS		MONTHLY TRIGGER LEVELS	
	LIMIT (TON/YR)	ACTUAL (TON/YR)	LIMIT (TON/MO)	ACTUAL (TON/MO)
NOx	199.4	92.6	20.8	8.59
CO	252.4	171.7	26.3	16.06
SO2	139.7	102.0	14.6	11.90
PM/PM10	59.1	39.9	6.2	3.74
POC	132.0	70.7	13.7	6.79

SOURCES INCLUDED IN EMISSION SUMMARY

COMBUSTION SOURCES

S-4002 DELAYED COKER UNIT FURNACE #1
S-4003 DELAYED COKER UNIT FURNACE #2
S-4021 DHT RECYCLE GAS HEATER
S-4031 CRACK GAS BOTTOMING REBOILER HTR
S-4141 HGHT FEED HEATER
S-4161 HYDROGEN PLANT SMR FURNACE
S-4171 LHT-2 FEED HEATER
S-4190 BOILER 6 GAS TURBINE #1
S-4191 BOILER 6 SUPPL STEAM GENERATOR #1
S-4192 BOILER 6 GAS TURBINE #2
S-4193 BOILER 6 SUPPL STEAM GENERATOR #2

SRU #4

A-4180 SRU-4 SCOT UNIT
A-4181 SRU-4 SCOT THERMAL OXIIDIZER
A-4347 SULFUR PIT

TANKAGE

S-4307 MDEA MAKE-UP TANK
S-4309 DEA TANK #1
S-4310 SOUR WATER TANK
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S-4334 ALKYLATE TANK
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S-4356 PROCESS WASTEWATER TANK

BAY AREA
 AIR QUALITY MANAGEMENT DISTRICT
 SHELL MARTINEZ REFINING COMPANY
 MONTHLY REPORT

COMPANY: SHELL OIL PRODUCTS CO.
 PLANT NO: 11
 MONTH: May 2008

SOURCE: FUEL USE SUMMARY

FUEL TYPE (MMBTU)	COGEN	HP-3	FURNACES w/ SCR	FURNACES w/ LOW NOX BURNERS
RFG	168013	158962	58627	0
FXG	0	78423	78472	0
PSA	0	376494	.0	0
NATURAL GAS	688717	0	0	13727

BAY AREA
 AIR QUALITY MANAGEMENT DISTRICT
 SHELL MARTINEZ REFINING COMPANY
 MONTHLY REPORT

COMPANY: SHELL OIL PRODUCTS CO.
 PLANT NO: 11
 MONTH: May 2008

SOURCE: EMISSION SUMMARY BY
 TYPE

TYPE	NOx (LB/MONTH)	CO (LB/MONTH)	SO2 (LB/MONTH)	PM/PM10 (LB/MONTH)	POC (LB/MONTH)
COGEN/BOILERS	12254	13708	1840	4284	11138
FURN ABATED BY SCR	215	4798	5286	685	411
FURN W/ LOW NOx BURN	394	480	8	69	41
HYDROGEN PLANT	4273	12881	6525	2314	1313
OTHERS*	47	256	5491	0	325
RAIL/TRUCK LOADING	0	0	0	122	0
SCOT UNIT	NA	NA	4644	NA	NA
TANKS	0	0	0	0	345
TOTAL	17182	32124	23794	7474	13573

* OTHER emissions are from flaring events

BAY AREA
AIR QUALITY MANAGEMENT DISTRICT
SHELL MARTINEZ REFINING COMPANY
MONTHLY REPORT

COMPANY: SHELL OIL PRODUCTS CO.
PLANT NO: 11
MONTH: May 2008

SOURCE: COGEN S-4190,
S-4191, S-4192, S-4193
CONDITION: 24

DAY OF MONTH	NOX (LBS/DAY) LIMIT:610	3 HR MAX NOx @ 15% O2 (PPMV) LIMIT:5		POC (LBS/DAY) LIMIT:500	SO2 (LBS/DAY) LIMIT:458	PM10 LIMIT (LBS/DAY)	PM10 ACTUAL (LBS/DAY)
		S-4191	S-4193				
		1	367				
2	364	4	4	330	50	658	127
3	368	4	4	335	48	656	129
4	375	4	4	341	47	653	131
5	394	4	4	359	60	638	138
6	412	4	4	374	66	626	144
7	444	4	4	405	79	604	156
8	428	4	4	391	71	616	150
9	395	4	4	360	72	633	138
10	386	4	4	352	67	639	135
11	389	4	4	354	69	637	136
12	412	4	4	374	76	622	144
13	416	s/d s/u	4	364	75	620	140
14	377	4	4	344	64	645	132
15	352	4	4	320	56	661	123
16	358	4	4	325	57	658	125
17	361	4	4	327	57	657	126
18	373	4	4	339	54	651	131
19	384	4	4	350	56	645	134
20	401	4	4	363	64	633	140
21	409	4	4	372	68	627	143
22	402	4	4	367	63	632	141
23	403	4	4	366	55	635	141
24	405	4	4	368	49	637	142
25	406	4	4	369	49	636	142
26	408	4	4	371	49	635	143
27	404	4	4	368	48	637	142
28	412	4	4	375	51	632	144
29	415	4	4	378	55	629	145
30	415	4	4	378	55	628	146
31	420	4	4	383	55	626	147
TOTAL	12254			11138	1840		4284

BAY AREA
 AIR QUALITY MANAGEMENT DISTRICT
 SHELL MARTINEZ REFINING
 COMPANY
 MONTHLY REPORT

COMPANY: SHELL OIL PRODUCTS CO.
 PLANT NO: 11
 MONTH: May 2008

SOURCE: COGEN S-4190,
 S-4191, S-4192, S-4193
 POLLUTANT: NOX, SO2

II. STATEMENT OF EXCESS EMISSIONS* (Negative declaration required)

DATE	TIME	DURATION	MAGNITUDE	REMARKS
				None this reporting period.

*Excess for this source is:

- 1) Emission of NOx exceeding 5 ppmv, dry, @ 15% O2, 3 hour average.
- 2) Emission of NOx exceeding 610 ppd, combined sources
- 2) Emission of SO2 exceeding 458 ppd, combined sources

III. MONITOR MALFUNCTION/DOWNTIME

DATE	TIME	DURATION	PROBLEM/CORRECTIVE ACTION
05/13/08	14:20	20 min	Action limit.
05/15/08	09:00	2hrs. 30min.	Action limit
05/29/08	10:10	2hrs. 15min.	Out of control, replaced check valve
05/05/08	09:15	1hr. 40min.	Out of control, repairing air conditioning
05/04/08	09:25	25hrs. 30min.	Out of control – air conditioning unit failure (05F53)
05/20/08	09:00	1hr.	Calibration

BAY AREA
AIR QUALITY MANAGEMENT DISTRICT
SHELL MARTINEZ REFINING COMPANY
MONTHLY REPORT

COMPANY: SHELL OIL PRODUCTS CO.
PLANT NO: 11
MONTH: June 2008

POLLUTANT	12-MONTH EMISSION LIMITS		MONTHLY TRIGGER LEVELS	
	LIMIT (TON/YR)	ACTUAL (TON/YR)	LIMIT (TON/MO)	ACTUAL (TON/MO)
NOx	199.4	93.5	20.8	8.74
CO	252.4	172.1	26.3	15.62
SO2	139.7	103.1	14.6	8.69
PM/PM10	59.1	40.0	6.2	3.67
POC	132.0	70.3	13.7	6.47

SOURCES INCLUDED IN EMISSION SUMMARY

COMBUSTION SOURCES

S-4002 DELAYED COKER UNIT FURNACE #1
S-4003 DELAYED COKER UNIT FURNACE #2
S-4021 DHT RECYCLE GAS HEATER
S-4031 CRACK GAS BOTTOMING REBOILER HTR
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S-4191 BOILER 6 SUPPL STEAM GENERATOR #1
S-4192 BOILER 6 GAS TURBINE #2
S-4193 BOILER 6 SUPPL STEAM GENERATOR #2

SRU #4

A-4180 SRU-4 SCOT UNIT
A-4181 SRU-4 SCOT THERMAL OXIIDIZER
A-4347 SULFUR PIT

TANKAGE

S-4307 MDEA MAKE-UP TANK
S-4309 DEA TANK #1
S-4310 SOUR WATER TANK
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S-4334 ALKYLATE TANK
S-4350 PROCESS WASTEWATER TANK
S-4356 PROCESS WASTEWATER TANK

BAY AREA
 AIR QUALITY MANAGEMENT DISTRICT
 SHELL MARTINEZ REFINING COMPANY
 MONTHLY REPORT

COMPANY: SHELL OIL PRODUCTS CO.
 PLANT NO: 11
 MONTH: June 2008

SOURCE: FUEL USE SUMMARY

FUEL TYPE (MMBTU)	COGEN	HP-3	FURNACES w/ SCR	FURNACES w/ LOW NOX BURNERS
RFG	188273	157319	57065	0
FXG	0	80598	67671	0
PSA	0	368348	0	0
NATURAL GAS	661637	0	0	15580

BAY AREA
 AIR QUALITY MANAGEMENT DISTRICT
 SHELL MARTINEZ REFINING COMPANY
 MONTHLY REPORT

COMPANY: SHELL OIL PRODUCTS CO.
 PLANT NO: 11
 MONTH: June 2008

SOURCE: EMISSION SUMMARY BY
 TYPE

TYPE	NOx (LB/MONTH)	CO (LB/MONTH)	SO2 (LB/MONTH)	PM/PM10 (LB/MONTH)	POC (LB/MONTH)
COGEN/BOILERS	12111	13599	2045	4250	11049
FURN ABATED BY SCR	175	4366	4634	624	374
FURN W/ LOW NOx BURN	449	545	9	78	47
HYDROGEN PLANT	4749	12731	6684	2294	1303
OTHERS*	0	1	15	0	2
RAIL/TRUCK LOADING	0	0	0	103	0
SCOT UNIT	NA	NA	4001	NA	NA
TANKS	0	0	0	0	162
TOTAL	17484	31242	17388	7348	12937

* OTHER emissions are from flaring events

BAY AREA
AIR QUALITY MANAGEMENT DISTRICT
SHELL MARTINEZ REFINING COMPANY
MONTHLY REPORT

COMPANY: SHELL OIL PRODUCTS CO.
PLANT NO: 11
MONTH: June 2008

SOURCE: COGEN S-4190,
S-4191, S-4192, S-4193
CONDITION: 24

DAY OF MONTH	NOX (LBS/DAY) LIMIT:610	3 HR MAX NOx @ 15% O2 (PPMV) LIMIT:5		POC (LBS/DAY) LIMIT:500	SO2 (LBS/DAY) LIMIT:458	PM10 LIMIT (LBS/DAY)	PM10 ACTUAL (LBS/DAY)
		S-4191	S-4193				
		1	415				
2	406	4	4	371	57	633	143
3	416	4	4	382	63	625	147
4	441	4	4	404	74	608	155
5	434	4	4	400	73	612	154
6	439	4	4	400	66	611	154
7	430	4	4	393	70	615	151
8	429	4	4	390	75	614	150
9	419	4	4	383	79	617	147
10	423	4	4	385	86	612	148
11	416	4	4	380	87	615	146
12	428	4	4	389	77	613	150
13	428	4	4	389	73	615	150
14	394	4	4	360	54	640	138
15	396	4	4	360	53	640	139
16	399	4	4	361	69	632	139
17	395	4	4	360	78	630	139
18	392	4	4	358	74	633	138
19	399	4	4	365	76	629	140
20	378	4	4	345	74	640	133
21	358	4	4	326	73	652	125
22	373	4	4	340	69	645	131
23	377	4	4	346	64	645	133
24	389	4	4	354	64	639	136
25	389	4	4	354	66	638	136
26	390	4	4	356	61	640	137
27	392	4	4	357	61	639	137
28	387	4	4	352	53	644	135
29	391	4	4	356	62	639	137
30	388	4	4	354	61	641	136
TOTAL	12111			11050	2045		4250

BAY AREA
 AIR QUALITY MANAGEMENT DISTRICT
 SHELL MARTINEZ REFINING
 COMPANY
 MONTHLY REPORT

COMPANY: SHELL OIL PRODUCTS CO.
 PLANT NO: 11
 MONTH: June 2008

SOURCE: COGEN S-4190,
 S-4191, S-4192, S-4193
 POLLUTANT: NOX, SO2

II. STATEMENT OF EXCESS EMISSIONS* (Negative declaration required)

DATE	TIME	DURATION	MAGNITUDE	REMARKS
				None this reporting period.

*Excess for this source is:

- 1) Emission of NOx exceeding 5 ppmv, dry, @ 15% O2, 3 hour average.
- 2) Emission of NOx exceeding 610 ppd, combined sources
- 2) Emission of SO2 exceeding 458 ppd, combined sources

III. MONITOR MALFUNCTION/DOWNTIME

DATE	TIME	DURATION	PROBLEM/CORRECTIVE ACTION
06/30/08	09:10	1hr. 5min.	Out of control, recalibrated and returned to service.