

Martinez Refinery PO Box 711 Martinez, CA 94553-0071

RECD. NOV 0 6 2007

CERTIFIED MAIL

October 17, 2007

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

Dear Sir,

Re: Compliance Verifications - Third Quarter 2007 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 third quarter, 2007.

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

COMPANY:

SHELL OIL PRODUCTS CO.

PLANT NO:

11

MONTH: July 2007

POLLUTANT	12-MONTH EMI	SSION LIMITS	MONTHLY TRIGGER LEVELS		
	LIMIT (TON/YR)	ACTUAL (TON/YR)	LIMIT (TON/MO)	ACTUAL (TON/MO)	
NOx	199.4	90.0	20.8	8.25	
со	252.4	178.8	26.3	15.66	
SO2	139.7	105.8	14.6	9.27	
PM/PM10	59.1	41.6	6.2	3.62	
POC	132.0	74.0	13.7	6.46	

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

COMPANY:

SHELL OIL PRODUCTS CO. SOURCE: FUEL USE SUMMARY

PLANT NO:

11

MONTH: July 2007

FUEL TYPE (MMBTU)	COGEN	HP-3	FURNACES w/ SCR	FURNACES w/ LOW NOX BURNERS
RFG	160329	139894	53760	0
FXG	0	62567	75775	0
PSA	0	401889	0	0
NATURAL GAS	669244	0	0	23114

COMPANY:

SHELL OIL PRODUCTS CO.

SOURCE: EMISSION SUMMARY BY

PLANT NO:

11

TYPE

MONTH: July 2007

TYPE	NOx (LB/MONTH)	CO (LB/MONTH)	(LB	SO2 /MONTH)	PM/PM10 (LB/MONTH)	POC (LB/MONTH)
COGEN/BOILERS	11795	13273		1727	4148	10784
FURN ABATED BY SCR	345	4534		5600	648	389
FURN W/ LOW NOx BURN	667	809		14	116	69
HYDROGEN PLANT	3691	12691		5838	2218	1250
OTHERS*	2	13		201	О	12
RAIL/TRUCK LOADING	О	О		0	109	o
SCOT UNIT	NA	NA		5157	NA	NA
TANKS	0	0		0	0	413
TOTAL	16500	31321		18538	7238	12918

^{*} OTHER emissions are from flaring events

COMPANY:

SHELL OIL PRODUCTS CO.

SOURCE:

COGEN S-4190,

PLANT NO:

11

OOI (OL.

S-4191, S-4192, S-4193

MONTH: July 2007	CONDITION:	24
------------------	------------	----

DAY	NOX		MAX	POC	SO2	PM10	PM10
OF	(LBS/DAY)			(LBS/DAY)	(LBS/DAY)		ACTUAL
MONTH			MV)			(LBS/DAY)	(LBS/DAY)
	LIMIT:610		ИТ: <u>5</u>	LIMIT:500	LIMIT:458		
		S-4191	S-4193				
1	379	4	4	349	58	647	134
2	374	4	4	346	59	649	133
3	362	4	4	336	53	657	129
4	357	4	4	330	50	661	127
5		4	4	337	54	656	130
6	370	4	4	343	52	654	132
7		4	4	337	49	659	130
8	363	4	4	334	51	658	129
9	380	4	4	347	56	647	133
10	383	4	4	349	58	644	134
11	386	4	4	351	53	645	135
12	385	4	4	350	56	644	135
13	382	4	4	349	53	647	134
14	261	4	S/D	196	38	717	75
15	351	4	S/U	339	51	664	130
16	387	4	4	353	57	643	136
17	394	4	4	360	55	640	139
18	383	4	4	353	55	646	136
19	379	4	4	347	55	648	133
20	384	4	4	350	54	645	135
21	394	4	4	362	58	639	139
22	391	4	4	358	58	640	138
23	391	4	4	357	64	638	137
24	384	4	4	354	56	645	136
25	407	4	4	371	62	630	143
26	416	4	4	378	64	624	146
27	404	4	4	370	62	631	142
28	408	4	4	371	59	631	143
29	400	4	4	364	54	637	140
30	405	4	4	369	62	631	142
31	408	4	4	372	59	631	143
TOTAL	11795			10785	1727		4148

COMPANY: PLANT NO:

MONTH:

SHELL OIL PRODUCTS CO.

11

July 2007

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.
1				- 1	
	ĺ			ļ	
					·

*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	
07/24/07	10:30	1h 25m	AST audit	
07/24/07	10:30	1h 25m	AST audit	
	1			
				,

COMPANY:

SHELL OIL PRODUCTS CO.

PLANT NO:

11

MONTH: August 2007

POLLUTANT	12-MONTH EMI	SSION LIMITS	MONTHLY TR	IGGER LEVELS
	LIMIT	ACTUAL	LIMIT	ACTUAL
	(TON/YR)	(TON/YR)	(TON/MO)	(TON/MO)
NOx	199.4	89.9	20.8	7.64
со	252.4	179.5	26.3	15.66
SO2	139.7	108.9	14.6	7.99
PM/PM10	59.1	41.8	6.2	3.65
POC	132.0	73.8	13.7	6.51

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

COMPANY:

SHELL OIL PRODUCTS CO.

SOURCE: FUEL USE SUMMARY

PLANT NO:

11

MONTH: August 2007

FUEL TYPE (MMBTU)	COGEN	HP-3	FURNACES w/ SCR	FURNACES w/ LOW NOX BURNERS
RFG	167367	149108	58889	0
FXG	0	52335	68368	0
PSA	0	394904	o	0
NATURAL GAS	679513	o	О	22416

COMPANY:

SHELL OIL PRODUCTS CO.

SOURCE: EMISSION SUMMARY BY

PLANT NO:

11

TYPE

MONTH: August 2007

TYPE	NOx (LB/MONTH)	CO (LB/MONTH)	(LB	SO2 /MONTH)	PM/PM10 (LB/MONTH)	POC (LB/MONTH)
COGEN/BOILERS	12146	13550		1740	4234	11009
FURN ABATED BY SCR	488	4454		4746	636	382
FURN W/ LOW NOx BURN	648	785		13	112	67
HYDROGEN PLANT	1992	12528		4870	2193	1237
OTHERS*	0	1		17	o	2
RAIL/TRUCK LOADING	0	О		0	124	o
SCOT UNIT	NA	NA		4596	NA	NA
TANKS	0	0		0	0	323
TOTAL	15273	31318	`	15982	7300	13020

^{*} OTHER emissions are from flaring events

COMPANY:

SHELL OIL PRODUCTS CO.

SOURCE:

COGEN S-4190,

PLANT NO:

11

S-4191, S-4192, S-4193

MONTH: August 2007

CONDITION: 24

l DAY l	NOX	3 HR	MAX	POC	SO2	PM10	PM10
OF	(LBS/DAY)	NOx @	15% O2	(LBS/DAY)	(LBS/DAY)	LIMIT	ACTUAL
MONTH	(,		MV)	,	`	(LBS/DAY)	(LBS/DAY)
	LIMIT:610		/IT:5	LIMIT:500	LIMIT:458	,	`
		S-4191	S-4193				
1	401	4	4	367	53	637	141
2	392	4	4	360	52	642	138
3		4	4	355	52	643	137
4	399	4	4	362	55	637	_ 139
5		4	4	368	57	634	142
6		4	4	357	54	641	137
7		16	4	344	49	615	132
8	382	4	4	347	_ 48	649	134
9	384	4	4	350	52	646	135
10	389	4	4	354	55	642	136
11	386	4	4	354	58	643	136
12	394	4	4	358	62	637	138
13	382	4	4	347	58	645	133
14	372	4	4	_ 339	48	654	131
15	362	4	4	331	51	658	127
16	361	4	4	_ 330	46	661	127
17	365	4	4	335	51	657	129
18	381	4	4	350	59	645	135
19	386	4	4	354	59	643	136
20	388	4	4	353	57	642	136
21	397	4	4	361	67	633	139
22	392	4	4	<u>357</u>	59	639	137
23	402	4	4	366	59	634	141
24	408	4	4	372	54	633	143
25	413	4	4	376	52	631	145
26	415	4	4	378	61	626	145
27	412	4	4	_ 375	70	624	144
28	400	4	4	365	65	633	140
29	380	4	4	348	58	646	134
30	382	4	4	350	63	643	135
31	388	4	4	353	57	642	136
TOTAL	12146			11015	1740	1 10/20	4237

COMPANY:

SHELL OIL PRODUCTS CO.

PLANT NO: MONTH: 11

August 2007

SOURCE: COGEN S-4190,

S-4191, S-4192, S-4193

POLLUTANT: NOX, SO2

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

	IAGNITUDE	REMARKS
5h 14m 16	6 ppm	Loss of NH3 injection to boiler
]		
		Зн тчино ррин

*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	
08/23/07	10:05	1h 30m	Action limit	
1	}			
		}		

COMPANY:

SHELL OIL PRODUCTS CO.

PLANT NO:

11

MONTH: September 2007

POLLUTANT	12-MONTH EMI	SSION LIMITS	MONTHLY TRIGGER LEVELS		
	LIMIT (TON/YR)	ACTUAL (TON/YR)	LIMIT (TON/MO)	ACTUAL (TON/MO)	
NOx	199.4	90.9	20.8	8.49	
со	252.4	181.2	26.3	15.38	
SO2	139.7	106.3	14.6	6.15	
PM/PM10	59.1	42.2	6.2	3.58	
POC	132.0	75.1	13.7	6.37	

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

COMPANY:

SHELL OIL PRODUCTS CO.

SOURCE: FUEL USE SUMMARY

PLANT NO:

11

MONTH: September 2007

FUEL TYPE (MMBTU)	COGEN	HP-3	FURNACES w/ SCR	FURNACES w/ LOW NOX BURNERS
RFG	178591	193946	55986	0
FXG	0	13985	68862	0
PSA	0	381649	0	0
NATURAL GAS	650731	0	0	20760

COMPANY:

SHELL OIL PRODUCTS CO.

SOURCE: EMISSION SUMMARY BY

PLANT NO:

11

TYPE

MONTH: September 2007

TYPE	NOx (LB/MONTH)	CO (LB/MONTH)	(LE	SO2 3/MONTH)	PM/PM10 (LB/MONTH)	POC (LB/MONTH)
COGEN/BOILERS	11898	13269		1943	4147	10781
FURN ABATED BY SCR	483	4370		3734	624	375
FURN W/ LOW NOx BURN	597	727		12	104	62
HYDROGEN PLANT	3996	12385		2444	2185	1235
OTHERS*	0	0		0	o	o
RAIL/TRUCK LOADING	0	0		0	104	o
SCOT UNIT	NA	NA		4168	NA	NA
TANKS	0	0		0	0	291
TOTAL	16975	30750		12301	7165	12744

^{*} OTHER emissions are from flaring events

COMPANY:

SHELL OIL PRODUCTS CO.

SOURCE:

COGEN S-4190,

PLANT NO:

11

S-4191, S-4192, S-4193

MONTH: September 2007 CONDITION: 24

OF MONTH (LBS/DAY) NOx @ 15% O2(LBS/DAY) (LBS/DAY) LIMIT: 458 LIMIT: 458 1 395 4 4 359 67 635 13 2 395 4 4 359 66 635 13 3 404 4 4 368 65 630 14 4 408 4 4 369 67 628 14 4 408 4 4 369 67 629 14 5 406 4 4 369 67 629 14 6 405 4 369 67 629 14 8 401 4 366 63 633 14 9 405 4 370 63 621 14 10 409 4 372 65 629 14 11 408 4	DAY	NOX	3 HR	MAX	POC	SO2	PM10	PM10
MONTH							1	
LIMIT:610						(200/0/11)		
S-4191 S-4193	MONTH	LIMIT-610			LIMIT-SOO	LIMIT-458	(LDO/DAT)	(LDO/DAT)
1 395		LIMIT.010			LIMIT.500	LIIVII 1 . 4 50		
2 395 4 4 359 66 635 13 3 404 4 4 368 65 630 14 4 408 4 4 372 65 628 14 5 406 4 4 369 72 627 14 6 405 4 4 369 67 629 14 7 418 4 4 381 69 622 14 8 401 4 381 69 622 14 10 409 4 4 370 63 631 14 11 408 4 4 372 65 629 14 11 408 4 4 372 65 629 14 11 408 4 4 372 65 629 14 11 408 4 4 372 65 629 14 11 408 4 4 372 65 629 14 12 408 4 4 372 65 629 14 13 398 4 4 363 63 63 635 14 14 396 4 4 363 63 63 635 14 15 398 4 4 360 62 636 13 15 398 4 4 362 61 635 13 16 367 4 4 335 45 658 12 17 371 4 4 337 54 653 13 18 383 4 4 347 91 631 13 19 406 4 4 370 75 625 14 20 392 4 4 356 55 641 13 21 395 4 4 360 71 631 13 21 395 4 4 360 71 631 13 22 399 4 4 366 71 631 13 23 404 4 368 62 632 14 24 401 4 4 368 62 632 14 25 392 4 4 365 72 629 14 26 383 4 SD/SU 293 62 643 11 27 385 4 4 366 72 629 14 28 394 4 359 63 637 13 29 383 4 4 359 63 637 13 29 383 4 4 359 63 637 13 29 383 4 4 349 56 645 13	- 1	305			250	67	625	120
3								
4 408 4 4 372 65 628 14 5 406 4 4 369 72 627 14 6 405 4 4 369 67 629 14 7 418 4 4 381 69 622 14 8 401 4 4 366 63 633 14 9 405 4 4 370 63 631 14 10 409 4 4 374 64 628 14 11 408 4 4 372 65 629 14 12 408 4 4 372 63 629 14 13 398 4 4 363 63 635 13 14 396 4 4 362 61 635 13 15 398 4	 	393						
5 406 4 4 369 72 627 14 6 405 4 4 369 67 629 14 7 418 4 4 381 69 622 14 8 401 4 4 366 63 633 14 9 405 4 4 370 63 631 14 10 409 4 4 374 64 628 14 11 408 4 4 372 65 629 14 12 408 4 4 372 63 629 14 13 398 4 4 363 63 635 14 14 396 4 4 360 62 636 13 15 398 4 4 335 45 658 12 17 371 4								
6 405 4 4 369 67 629 14 7 418 4 4 381 69 622 14 8 401 4 4 366 63 633 14 9 405 4 4 370 63 631 14 10 409 4 4 374 64 628 14 11 408 4 4 372 65 629 14 12 408 4 4 372 63 629 14 13 398 4 4 363 63 635 14 14 396 4 4 360 62 636 13 15 398 4 4 335 45 658 12 17 371 4 4 337 54 653 13 18 383 4								
7 418 4 4 381 69 622 14 8 401 4 4 366 63 633 14 9 405 4 4 370 63 631 14 10 409 4 4 374 64 628 14 11 408 4 4 372 65 629 14 12 408 4 4 372 63 629 14 13 398 4 4 363 63 63 635 14 14 396 4 4 360 62 636 13 15 398 4 4 362 61 635 13 16 367 4 4 337 54 653 13 18 383 4 4 347 91 631 13 19 406 4 4 370 75 625 14 20 392 4 4 356 55 641 13 21 395 4 4 360 71 633 13 22 399 4 4 363 66 633 14 23 404 4 368 62 632 14 24 401 4 368 62 632 14 25 392 4 4 365 72 629 14 26 383 4 SD/SU 293 62 643 11 27 385 4 359 63 637 13 29 383 4 4 359 63 637 13 29 383 4 4 359 63 637 13 29 383 4 4 349 56 645 13								142
8 401 4 4 366 63 633 14 9 405 4 4 370 63 631 14 10 409 4 4 374 64 628 14 11 408 4 4 372 65 629 14 12 408 4 4 372 63 629 14 13 398 4 4 363 63 635 14 14 396 4 4 360 62 636 13 15 398 4 4 362 61 635 13 16 367 4 4 335 45 658 12 17 371 4 4 337 54 653 13 18 383 4 4 347 91 631 13 19 406 4 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
9 405 4 4 370 63 631 14 10 409 4 4 374 64 628 14 11 408 4 4 372 65 629 14 12 408 4 4 372 63 629 14 13 398 4 4 363 63 635 14 14 396 4 4 360 62 636 13 15 398 4 4 362 61 635 13 16 367 4 4 335 45 658 12 17 371 4 4 337 54 653 13 18 383 4 4 347 91 631 13 19 406 4 4 370 75 625 14 20 392 4 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
10 409 4 4 374 64 628 14 11 408 4 4 372 65 629 14 12 408 4 4 372 63 629 14 13 398 4 4 363 63 635 14 14 396 4 4 360 62 636 13 15 398 4 4 362 61 635 13 16 367 4 4 335 45 658 12 17 371 4 4 337 54 653 13 18 383 4 4 347 91 631 13 19 406 4 4 370 75 625 14 20 392 4 4 360 71 633 13 21 395 4<								142
11 408 4 4 372 65 629 14 12 408 4 4 372 63 629 14 13 398 4 4 363 63 635 14 14 396 4 4 360 62 636 13 15 398 4 4 362 61 635 13 16 367 4 4 335 45 658 12 17 371 4 4 337 54 653 13 18 383 4 4 347 91 631 13 19 406 4 4 370 75 625 14 20 392 4 4 360 71 633 13 21 395 4 4 363 66 633 14 23 404 4<								144
12 408 4 4 372 63 629 14 13 398 4 4 363 63 635 14 14 396 4 4 360 62 636 13 15 398 4 4 362 61 635 13 16 367 4 4 335 45 658 12 17 371 4 4 337 54 653 13 18 383 4 4 347 91 631 13 19 406 4 4 370 75 625 14 20 392 4 4 356 55 641 13 21 395 4 4 360 71 633 13 22 399 4 4 363 66 633 14 23 404 4<								143
13 398 4 4 363 63 635 14 14 396 4 4 360 62 636 13 15 398 4 4 362 61 635 13 16 367 4 4 335 45 658 12 17 371 4 4 337 54 653 13 18 383 4 4 347 91 631 13 19 406 4 4 370 75 625 14 20 392 4 4 356 55 641 13 21 395 4 4 360 71 633 13 22 399 4 4 363 66 633 14 23 404 4 4 368 62 632 14 24 401 4<								143
14 396 4 4 360 62 636 13 15 398 4 4 362 61 635 13 16 367 4 4 335 45 658 12 17 371 4 4 337 54 653 13 18 383 4 4 347 91 631 13 19 406 4 4 370 75 625 14 20 392 4 4 356 55 641 13 21 395 4 4 360 71 633 13 22 399 4 4 363 66 633 14 23 404 4 368 62 632 14 24 401 4 365 72 629 14 25 392 4 4 357 73 634 13 26 383 4 SD/SU 293 62 643 11 27 385 4 4 359 63 637 13 28 394 4								140
15 398 4 4 362 61 635 13 16 367 4 4 335 45 658 12 17 371 4 4 337 54 653 13 18 383 4 4 347 91 631 13 19 406 4 4 370 75 625 14 20 392 4 4 356 55 641 13 21 395 4 4 360 71 633 13 22 399 4 4 363 66 633 14 23 404 4 4 368 62 632 14 24 401 4 4 365 72 629 14 25 392 4 4 357 73 634 13 26 383 4<								139
16 367 4 4 335 45 658 12 17 371 4 4 337 54 653 13 18 383 4 4 347 91 631 13 19 406 4 4 370 75 625 14 20 392 4 4 356 55 641 13 21 395 4 4 360 71 633 13 22 399 4 4 363 66 633 14 23 404 4 4 368 62 632 14 24 401 4 4 365 72 629 14 25 392 4 4 357 73 634 13 26 383 4 SD/SU 293 62 643 11 27 385 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>139</td></t<>								139
17 371 4 4 337 54 653 13 18 383 4 4 347 91 631 13 19 406 4 4 370 75 625 14 20 392 4 4 356 55 641 13 21 395 4 4 360 71 633 13 22 399 4 4 363 66 633 14 23 404 4 4 368 62 632 14 23 404 4 4 368 62 632 14 24 401 4 4 365 72 629 14 25 392 4 4 357 73 634 13 26 383 4 SD/SU 293 62 643 11 27 385 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>129</td></t<>								129
18 383 4 4 347 91 631 13 19 406 4 4 370 75 625 14 20 392 4 4 356 55 641 13 21 395 4 4 360 71 633 13 22 399 4 4 363 66 633 14 23 404 4 4 368 62 632 14 24 401 4 4 365 72 629 14 25 392 4 4 357 73 634 13 26 383 4 SD/SU 293 62 643 11 27 385 4 4 352 62 642 13 28 394 4 4 359 63 637 13 29 383 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>130</td></t<>								130
19 406 4 4 370 75 625 14 20 392 4 4 356 55 641 13 21 395 4 4 360 71 633 13 22 399 4 4 363 66 633 14 23 404 4 4 368 62 632 14 24 401 4 4 365 72 629 14 25 392 4 4 357 73 634 13 26 383 4 SD/SU 293 62 643 11 27 385 4 4 352 62 642 13 28 394 4 4 359 63 637 13 29 383 4 4 349 56 645 13 30 387 4 4 353 60 641 13								133
20 392 4 4 356 55 641 13 21 395 4 4 360 71 633 13 22 399 4 4 363 66 633 14 23 404 4 4 368 62 632 14 24 401 4 4 365 72 629 14 25 392 4 4 357 73 634 13 26 383 4 SD/SU 293 62 643 11 27 385 4 4 352 62 642 13 28 394 4 4 359 63 637 13 29 383 4 4 349 56 645 13 30 387 4 4 353 60 641 13			4	4	370	75	625	142
21 395 4 4 360 71 633 13 22 399 4 4 363 66 633 14 23 404 4 4 368 62 632 14 24 401 4 4 365 72 629 14 25 392 4 4 357 73 634 13 26 383 4 SD/SU 293 62 643 11 27 385 4 4 352 62 642 13 28 394 4 4 359 63 637 13 29 383 4 4 349 56 645 13 30 387 4 4 353 60 641 13	20	392	4	4	356	55		137
22 399 4 4 363 66 633 14 23 404 4 4 368 62 632 14 24 401 4 4 365 72 629 14 25 392 4 4 357 73 634 13 26 383 4 SD/SU 293 62 643 11 27 385 4 4 352 62 642 13 28 394 4 4 359 63 637 13 29 383 4 4 349 56 645 13 30 387 4 4 353 60 641 13					360		633	139
24 401 4 4 365 72 629 14 25 392 4 4 357 73 634 13 26 383 4 SD/SU 293 62 643 11 27 385 4 4 352 62 642 13 28 394 4 4 359 63 637 13 29 383 4 4 349 56 645 13 30 387 4 4 353 60 641 13		399	4	4	363	66	633	140
24 401 4 4 365 72 629 14 25 392 4 4 357 73 634 13 26 383 4 SD/SU 293 62 643 11 27 385 4 4 352 62 642 13 28 394 4 4 359 63 637 13 29 383 4 4 349 56 645 13 30 387 4 4 353 60 641 13		404	4	4	368	62	632	141
25 392 4 4 357 73 634 13 26 383 4 SD/SU 293 62 643 11 27 385 4 4 352 62 642 13 28 394 4 4 359 63 637 13 29 383 4 4 349 56 645 13 30 387 4 4 353 60 641 13		401	4		365	72	629	140
26 383 4 SD/SU 293 62 643 11 27 385 4 4 352 62 642 13 28 394 4 4 359 63 637 13 29 383 4 4 349 56 645 13 30 387 4 4 353 60 641 13		392	4		357	73	634	137
27 385 4 4 352 62 642 13 28 394 4 4 359 63 637 13 29 383 4 4 349 56 645 13 30 387 4 4 353 60 641 13	26		4	SD/SU	293	62		113
28 394 4 4 359 63 637 13 29 383 4 4 349 56 645 13 30 387 4 4 353 60 641 13	27		4		352	62	642	135
29 383 4 4 349 56 645 13 30 387 4 4 353 60 641 13			4	4	359	63	637	138
30 387 4 4 353 60 641 13				4				134
				4	353			136
TOTAL	TOTAL	11898			10781	1943		4147

COMPANY:

MONTH:

SHELL OIL PRODUCTS CO.

PLANT NO:

11

1.1

Sept 2007

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.
ĺ	ĺ	l		

*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	
09/07/07	10:10	3h	Action limit fail	
09/18/07	10:10	10h 40m	Out of control	
09/26/07	09:00	2h 35m	Action limit fail	
	ľ			