

**FIX UPS TO THE**  
**15% RATE-OF-PROGRESS SIP**  
For Dallas/Fort Worth, El Paso, Beaumont Port Arthur  
and Houston/Galveston Ozone Nonattainment Area

**APPENDIX 7-I**

96109-SIP-AI, 96110-SIP-AI, 96111-SIP-AI,  
96112-SIP-AI, 96113-SIP-AI

JULY 24, 1996

	1990	HGA		On-Mobile	Off-Mobile
		Point	Area		
		480.34	229.01	163.39	195.11
Car Product Coatings	0.61-0.91		-0.3		
Other Special Purpose	5.39-5.74		-0.35		
High Performance Maintenance	5.74-4.56		1.18		
Marine Vessel Loading (Area)	15.94-0.00		15.94		
Commercial Vessels	14.81-3.81				11
Military Aircraft	N/A				
Surface Cleaning	16.43-8.44		7.99		
Auto Refinishing	16.50-25.57		-9.07		
Architectural Coatings	31.20-23.23		7.97		
Sheet, Strip, & Coil	5.58-0.00		5.58		
Vessel W/ Outboards	61.39-20.48				40.91
Generators < 50 hp	11.96-9.22				2.74
Lawnmowers	33.43-22.95				10.48
Marine Vessel Leading (point)	15.26-26.84	-10.15			
Acetone	8.54-0.00	8.54			
New 1990		481.95	200.07	163.39	129.98

	1996	HGA		On-Mobile	Off-Mobile
		Point	Area		
		499.9	243.99	192.89	209.99
Other Product Coatings	0.66-1.0		-0.34		
Other Special Purpose	5.83-6.3		-0.47		
High Performance Maintenance	6.22-5.01		1.21		
Marine Vessel Loading (Area)	15.94-0.00		15.94		
Commercial Vessels	14.66-4.29				10.37
Military Aircraft	N/A				
Surface Cleaning	17.80-1.14		16.66		
Auto Refinishing	17.87-10.6		7.27		
Architectural Coatings	33.79-25.96		7.83		
Sheet, Strip, & Coil	6.04-0.00		6.04		
Vessel W/ Outboards	66.51-19.27				47.24
Generators < 50 hp	12.93-10.08				2.85
Lawnmowers	36.29-25.13				11.16
Marine Vessel Loading (Point)	17.95-31.57	-13.62			
Acetone	8.59-0.00	8.59			
New 1996		504.93	189.85	192.89	138.37

	1999	HGA		On-Mobile	Off-Mobile
		Point	Area		
		512.39	252.46	172.68	216.85
Other Product Coatings	0.69-1.04		-0.35		
Other Special Purpose	6.07-6.55		-0.48		
High Performance Maintenance	6.46-5.20		1.26		
Marine Vessel Loading (Area)	16.12-0.00		16.12		
Commercial Vessels	14.79-4.29				10.5
Military Aircraft	N/A				
Surface Cleaning	18.51-1.18		17.33		
Auto Refinishing	18.59-11.06		7.53		
Architectural Coatings	35.14-27.05		8.09		
Sheet, Strip, & Coil	6.28-0.00		6.28		
Vessel W/ Outboards	68.55-19.27				49.28
Generators < 50 hp	13.34-10.44				2.9
Lawnmowers	37.51-26.21				11.3
Marine Vessel Loading (Point)	19.77-34.77	-13.15			
Acetone	8.59-0.00	8.59			
New 1999		516.95	196.68	172.68	142.87



	Growth Factor	EI 1990 (TPD)	CE-90	CE-96	RE-90	RE-96	RP-90	RP-96	CR 90-96 (TPD)	New1996 (TPD)	
Architectural Coatings	1.0832	23.2300	0.0%	20.0%	0.0%	100.0%	0.0%	100.0%	5.033	20.130	
Traffic Markings	1.0900	2.5556	0.0%	20.0%	0.0%	100.0%	0.0%	100.0%	0.557	2.228	
Other Special Purpose	1.0832	5.7400	0.0%	20.0%	0.0%	100.0%	0.0%	100.0%	1.244	4.974	
High Perform. Maintenance	1.0832	4.5600	0.0%	20.0%	0.0%	100.0%	0.0%	100.0%	0.988	3.952	
Auto Refinishing	1.0832	25.5700	0.0%	40.0%	0.0%	100.0%	0.0%	100.0%	11.079	16.618	
Utility Engines	1.0834	65.6700	0.0%	11.9%	0.0%	100.0%	0.0%	100.0%	8.466	62.680	
Consumer Products	1.1141	19.9334	0.0%	20.0%	0.0%	100.0%	0.0%	100.0%	4.442	17.766	
Stage I	1.0002	12.2265	95.0%	98.0%	80.0%	90.0%	95.0%	98.0%	6.262	5.967	
Vehicle Refueling (Stage II)	1.0002	20.7928	0.0%	95.0%	0.0%	90.0%	0.0%	95.0%	16.892	3.905	
TSDf	1.0832	13.3075	0.0%	93.0%	0.0%	100.0%	0.0%	100.0%	13.406	1.009	
Wood Furniture	1.0832	2.6813	0.0%	20.0%	0.0%	85.0%	0.0%	75.0%	0.370	2.534	
Major Source Bakeries	1.0479	0.7128	0.0%	30.0%	0.0%	98.0%	0.0%	100.0%	0.220	0.527	
									<b>Total</b>	<b>68.958</b>	<b>142.291</b>
<b>Contingency Rules</b>											
1997 Utility Engine	1.0973	65.6700	0.0%	12.8%	0.0%	100.0%	0.0%	100.0%	9.224		
1996-1997 Utility Engine									0.757		
Municipal Landfills	1.0382	7.0020	0.0%	70.0%	0.0%	98.0%	0.0%	80.0%	3.989	3.280	
Offset Printing	1.1460	4.3652	0.0%	55.0%	0.0%	80.0%	0.0%	100.0%	2.201	2.801	
Naptha Dry Cleaners	1.0983	3.3904	0.0%	85.0%	0.0%	85.0%	0.0%	70.0%	1.883	1.840	
									<b>Total</b>	<b>8.831</b>	<b>7.922</b>

		BPA			
		Point	Area	On-Mobile	Off-Mobile
1990		245.6	32.48	19.11	32.46
Other Product Coatings	0.15-0.38		-0.23		
Other Special Purpose	0.56-0.56				
High Performance Maintenance	0.56-0.21		0.35		
Marine Vessel Loading (Area)	7.72-7.47		0.25		
Military Aircraft	N/A				
Surface Cleaning	2.47-0.81		1.66		
Auto Refinishing	1.60-2.48		-0.88		
Architectural Coatings	2.96-2.25		0.71		
Sheet, Strip, & Coil	N/A				
Vessel W/ Outboards	10.28-3.02				7.26
Generators < 50 hp	0.5-0.53				-0.03
Lawnmowers	4.11-2.83				1.28
Commercial Vessels	6.4-0.89				5.51
Acetone	0.06-0.00	0.06			
Marine Vessel Loading (point)		0.19			
New 1990		245.35	30.62	19.11	18.44

		BPA			
		Point	Area	On-Mobile	Off-Mobile
1996		250.81	32.86	21.87	32.45
Other Product Coatings	0.16-0.39		-0.23		
Other Special Purpose	0.55-0.57		-0.02		
High Performance Maintenance	0.55-0.22		0.33		
Marine Vessel Loading	7.72-7.47		0.25		
Military Aircraft	N/A				
Surface Cleaning	2.62-0.10		2.52		
Auto Refinishing	1.69-0.96		0.73		
Architectural Coatings	2.93-2.36		0.57		
Sheet, Strip, & Coil	N/A				
Vessel W/ Outboards	10.33-2.81				7.52
Generators < 50 hp	0.5-0.55				-0.05
Lawnmowers	4.1-2.92				1.18
Commercial Vessels	6.33-1.0				5.33
Marine Vessel Loading (point)		-0.21			
Acetone	0.06-0.00	0.06			
New 1996		250.96	28.71	21.87	18.47

		BPA			
		Point	Area	On-Mobile	Off-Mobile
1999		253.12	33.27	20.55	32.41
Other Product Coatings	0.15-0.4		-0.25		
Other Special Purpose	0.56-0.57		-0.01		
High Performance Maintenance	0.57-0.22		0.35		
Marine Vessel Loading	7.81-7.55		0.26		
Military Aircraft	N/A				
Surface Cleaning	2.57-0.09		2.48		
Auto Refinishing	1.66-0.96		0.7		
Architectural Coatings	3.0-2.36		0.64		
Sheet, Strip, & Coil	N/A				
Vessel W/ Outboards	10.31-2.81				7.5
Generators < 50 hp	0.5-0.55				-0.05
Lawnmowers	4.08-2.92				1.16
Commercial Vessels	6.39-1.0				5.39
Marine Vessel Loading (point)		0.23			
Acetone	0.06-0.00	0.06			
New 1999		252.83	29.1	20.55	18.41

**BEAUMONT/PORT ARTHUR - POINT SOURCES REVISED 2/5/96**

	El 1990 (TPD)	El 1996 (TPD)	Permits*	CE-90	CE-96	Non-Permitted		Permitted		Reduction	New
						RE-90	RE-96	RE-90	RE-96	90-96 (TPD)	1996 (TPD)
Fugitive Monitoring	29.36	28.11	10.46	75.0%	93.0%	95.0%	95.0%	98.0%	98.0%	17.458	10.647
RE Floating Roof Tanks	21.77	67.72	13.32	95.0%	95.0%	88.0%	95.0%	93.0%	98.0%	27.489	40.231
Vessel Cleaning	0.02	0.02	0.02	0.0%	90.0%	0.0%	80.0%	0.0%	85.0%	0.018	0.005
General Vent Gas	61.28	68.70	22.94	90.0%	90.0%	80.0%	85.0%	85.0%	90.0%	11.748	56.957
									<b>Total</b>	<b>56.713</b>	<b>107.840</b>

\* Assumes CE-96 for control efficiency for permitted sources in 1990, except fugitives.

BEAUMONT/PORT ANTON AREA SOURCES REVIEW SHEET

	Growth Factor	EI 1990 (TPD)	CE-90	CE-96	RE-90	RE-96	RP-90	RP-96	CR 90-96 (TPD)	New1996 (TPD)
Architectural Coatings	0.9900	2.25	0.0%	20.0%	0.0%	100.0%	0.0%	100.0%	0.446	1.782
Traffic Markings	1.0900	0.2474	0.0%	20.0%	0.0%	100.0%	0.0%	100.0%	0.054	0.216
Other Special Purpose	1.0832	0.5557	0.0%	20.0%	0.0%	100.0%	0.0%	100.0%	0.120	0.482
High Perform. Maintenance	1.0832	0.21	0.0%	20.0%	0.0%	100.0%	0.0%	100.0%	0.045	0.182
Utility Engines	1.0834	7.3830	0.0%	11.9%	0.0%	100.0%	0.0%	100.0%	0.952	7.047
Consumer Products	0.9900	1.9298	0.0%	20.0%	0.0%	100.0%	0.0%	100.0%	0.382	1.528
Stage I	1.0109	2.8868	95.0%	98.0%	80.0%	90.0%	95.0%	98.0%	1.494	1.424
Vehicle Refueling (Stage II)	1.0109	2.3899	0.0%	95.0%	0.0%	90.0%	0.0%	95.0%	1.962	0.454
TSDf	1.0592	0.0056	0.0%	93.0%	0.0%	100.0%	0.0%	100.0%	0.006	0.000
<b>Total</b>									<b>5.462</b>	<b>13.114</b>
<b>Contingency Rules</b>										
1997 Utility Engine	1.0973	7.3830	0.0%	12.8%	0.0%	100.0%	0.0%	100.0%	1.037	
1996-1997 Utility Engine									0.085	
Auto Refinishing	1.0832	2.48	0.0%	40.0%	0.0%	100.0%	0.0%	100.0%	1.075	1.612
<b>Total</b>									<b>1.160</b>	<b>1.612</b>

			DFW		
		Point	Area	On-Mobil	Off-Mobil
	1990	66.64	174.25	204.35	97.44
Other Product Coatings	0.00-0.75		-0.75		
Other Special Purpose	5.48-5.48		0		
High Performance Maintenance	5.48-4.46		1.02		
Marine Vessel Loading	N/A				
Commercial Vessels	N/A				
Military Aircraft	1.44-9.19				-7.75
Surface Cleaning	11.35-8.05		3.3		
Auto Refinishing	13.61-24.4		-10.79		
Architectural Coatings	28.89-22.16		6.73		
Sheet, Strip, & Coil	0.72-0.00		0.72		
Vessel W/ Outboards	N/A				
Generators < 50 hp	N/A				
Acetone	1.37-0.00	1.37			
New 1990		65.27	174.02	204.35	105.19

			DFW		
		Point	Area	On-Mobil	Off-Mobil
	1996	72.1	184.79	241.89	108.19
Other Product Coatings	0.00-0.86		-0.86		
Other Special Purpose	5.94-5.94		0		
High Performance Maintenance	5.89-4.98		0.91		
Marine Vessel Loading	N/A				
Commercial Vessels	N/A				
Military Aircraft	1.44-1.17				0.27
Surface Cleaning	12.29-1.09		11.2		
Auto Refinishing	14.74-10.35		4.39		
Architectural Coatings	31.08-25.34		5.75		
Sheet, Strip, & Coil	0.78-0.00		0.78		
Vessel W/ Outboards	N/A				
Generators < 50 hp	N/A				
Acetone	1.46-0.00	1.46			
New 1996		70.64	162.62	241.89	107.92



**DALLAS/FORT WORTH - POINT SOURCES REVISED 1/27/96**

	El 1990 (TPD)	El 1996 (TPD)	Permits*	CE-90	CE-96	Non-Permitted		Permitted		Reduction	New
						RE-90	RE-96	RE-90	RE-96	90-96 (TPD)	1996 (TPD)
Commercial Bakeries (Major)	0.00	0.41	0.00	0.0%	30.0%	0.0%	98.0%	0.0%	98.0%	0.121	0.289
Fugitive Monitoring	0.10	0.11	0.01	75.0%	93.0%	95.0%	95.0%	98.0%	98.0%	0.066	0.044
Wood Furniture	0.64	0.77	0.47	0.0%	20.0%	0.0%	80.0%	0.0%	85.0%	0.128	0.642
Gasoline Terminals	2.91	9.83	1.60	93.3%	98.0%	90.0%	90.0%	94.0%	94.0%	2.172	7.658
									Total	2.486	8.634
<b>Contingency Rules</b>											
Vessel Cleaning	0.00	0.25	0.00	0.0%	90.0%	0.0%	80.0%	0.0%	85.0%	0.180	0.070
Offset Printing	1.06	1.41	0.26	0.0%	55.0%	0.0%	80.0%	0.0%	85.0%	0.628	0.782
									Total	0.808	0.852

\* Assumes CE-96 for control efficiency for permitted sources in 1990, except fugitives.

	Growth Factor	EI 1990 (TPD)	CE-90	CE-96	RE-90	RE-96	RP-90	RP-96	CR 90-96 (TPD)	New 199 (TPD)
Architectural Coat: Dal/Tar	1.0757	18.1745	3.0%	20.0%	0.0%	100.0%	0.0%	100.0%	3.910	15.640
Architectural Coat: Col/Den	1.0757	3.9855	0.0%	20.0%	0.0%	100.0%	0.0%	100.0%	0.857	3.430
Traffic Markings	1.0900	2.5556	0.0%	20.0%	0.0%	100.0%	0.0%	100.0%	0.557	2.228
Other Special Purpose	1.0757	5.4800	0.0%	20.0%	0.0%	100.0%	0.0%	100.0%	1.179	4.716
High Perform. Maintenance	1.0757	4.4600	0.0%	20.0%	0.0%	100.0%	0.0%	100.0%	0.960	3.838
Auto Refinishing: Dal/Tar	1.0832	19.2342	32.0%	40.0%	0.0%	100.0%	0.0%	100.0%	8.334	12.501
Auto Refinish: Collin/Denton	1.0832	5.1658	0.0%	40.0%	0.0%	100.0%	0.0%	100.0%	2.238	3.357
Utility Engines	1.1103	58.7300	0.0%	11.9%	0.0%	100.0%	0.0%	100.0%	7.760	57.448
Consumer Products	1.0757	19.0220	0.0%	20.0%	0.0%	100.0%	0.0%	100.0%	4.092	16.370
Municipal Landfills	1.0382	6.1255	0.0%	70.0%	0.0%	98.0%	0.0%	80.0%	3.490	2.869
Vehicle Refueling (Stage II)	1.0002	22.3871	0.0%	95.0%	0.0%	90.0%	0.0%	95.0%	18.188	4.204
Wood Furniture	1.0832	8.8721	0.0%	20.0%	0.0%	85.0%	0.0%	75.0%	1.225	8.385
								<b>Total</b>	<b>52.790</b>	<b>134.987</b>
<b>Contingency Rules</b>										
Commercial Bakeries	1.0479	0.4796	0.0%	30.0%	0.0%	98.0%	0.0%	100.0%	0.148	0.355
Offset Printing	1.1460	0.4486	0.0%	55.0%	0.0%	80.0%	0.0%	100.0%	0.226	0.288
Naptha Dry Cleaners	1.0983	4.0000	0.0%	85.0%	0.0%	85.0%	0.0%	70.0%	2.222	2.171
1997 Utility Engines	1.1287	58.7300	0.0%	12.8%	0.0%	100.0%	0.0%	100.0%	8.485	
1996-1997 Utility Engine									0.725	
								<b>Total</b>	<b>3.321</b>	<b>2.814</b>

		ELP			
		Point	Area	On-Mobil	Off-Mobile
	1990	9.47	27.43	23.18	11.87
Other Product Coatings	0.46-0.67		-0.21		
Other Special Purpose	N/A				
High Performance Maintenance	0.91-0.53		0.38		
Marine Vessel Loading	N/A				
Commercial Vessels	N/A				
Military Aircraft	N/A				
Surface Cleaning	3.92-1.34		2.58		
Auto Refinishing	2.62-4.05		-1.43		
Architectural Coatings	4.85-3.68		1.17		
Sheet, Strip, & Coil	N/A				
Vessel W/ Outboards	N/A				
Generators < 50 hp	N/A				
Lawnmowers	2.81-1.93				0.88
Acetone	0.02-0.00	0.02			
New 1990		9.45	24.94	23.18	10.99

		ELP			
		Point	Area	On-Mobil	Off-Mobile
	1996	9.34	29.58	28.34	12.58
Other Product Coatings	0.50-0.73		-0.23		
Other Special Purpose	N/A				
High Performance Maintenance	0.99-0.57		0.42		
Marine Vessel Loading	N/A				
Commercial Vessels	N/A				
Military Aircraft	N/A				
Surface Cleaning	4.25-0.18		4.07		
Auto Refinishing	2.84-1.76		1.08		
Architectural Coatings	5.25-4.31		0.94		
Sheet, Strip, & Coil	N/A				
Vessel W/ Outboards	N/A				
Generators < 50 hp	N/A				
Lawnmowers	3.16-2.22				0.94
Acetone	0.02-0.00	0.02			
New 1996		9.32	23.3	28.34	11.64

EL PASO - POINT SOURCES REVISED 1/25/96

	El 1990 (TPD)	El 1996 (TPD)	Permits*	CE-90	CE-96	Non-Permitted		Permitted		Reduction 90-96 (TPD)	New 1996 (TPD)	
						RE-90	RE-96	RE-90	RE-96			
Vessel Loading	0.00	0.40	0.00	0.0%	95.0%	0.0%	85.0%	0.0%	85.0%	0.323	0.077	
Fugitive Monitoring	1.80	1.79	0.91	75.0%	93.0%	95.0%	95.0%	98.0%	98.0%	1.129	0.661	
Gasoline Terminals	0.86	3.00	0.07	93.3%	98.0%	90.0%	90.0%	94.0%	94.0%	0.773	2.227	
Industrial Wastewater	0.46	0.37	0.13	0.0%	90.0%	0.0%	80.0%	0.0%	85.0%	0.272	0.098	
										Total	2.498	3.062
<b>Contingency Rules</b>												
Vessel Cleaning	0.00	0.13	0.00	0.0%	90.0%	0.0%	80.0%	0.0%	85.0%	0.094	0.036	

\* Assumes CE-96 for control efficiency for permitted sources in 1990, except fugitives.

	Growth Factor	EI-1990 (TPD)	CE-90	CE-96	RE-90	RE-96	RP-90	RP-96	CR 90-96 (TPD)	New 1996 (TPD)
Architectural Coatings	1.0832	3.6800	0.0%	20.0%	0.0%	100.0%	0.0%	100.0%	0.797	3.189
Traffic Markings	1.0900	0.4000	0.0%	20.0%	0.0%	100.0%	0.0%	100.0%	0.087	0.349
High Perform. Maintenance	1.0832	0.5300	0.0%	20.0%	0.0%	100.0%	0.0%	100.0%	0.115	0.459
Auto Refinishing	1.0832	4.0500	0.0%	40.0%	0.0%	100.0%	0.0%	100.0%	1.755	2.632
Utility Engines	1.1103	6.6900	0.0%	11.9%	0.0%	100.0%	0.0%	100.0%	0.884	6.544
Consumer Products	1.1141	3.1607	0.0%	20.0%	0.0%	100.0%	0.0%	100.0%	0.704	2.817
Offset Printing	1.1460	1.1093	0.0%	55.0%	0.0%	80.0%	0.0%	100.0%	0.559	0.712
Vehicle Refueling (Stage II)	1.0002	2.2987	0.0%	95.0%	0.0%	90.0%	0.0%	95.0%	1.867	0.432
Municipal Landfills	1.0382	0.3627	0.0%	70.0%	0.0%	98.0%	0.0%	80.0%	0.207	0.170
Wood Furniture	1.0832	0.2632	0.0%	20.0%	0.0%	85.0%	0.0%	75.0%	0.036	0.249
Outdoor Burning	1.0382	0.7767	0.0%	50.0%	0.0%	100.0%	0.0%	100.0%	0.403	0.403
								<b>Total</b>	<b>7.415</b>	<b>17.956</b>
<b>Contingency Rules</b>										
Commercial Bakeries	1.0479	0.2109	0.0%	30.0%	0.0%	98.0%	0.0%	100.0%	0.065	0.156
Naptha Dry Cleaners	1.0983	0.5376	0.0%	85.0%	0.0%	85.0%	0.0%	70.0%	0.299	0.292
1997 Utility Engine	1.1287	6.6900	0.0%	12.8%	0.0%	100.0%	0.0%	100.0%	0.967	
1996-1997 Utility Engine									0.083	
								<b>Total</b>	<b>0.446</b>	<b>0.448</b>