

APPENDIX 11-H

POINT SOURCES

HOUSTON -Reductions Due to RACT Catch-ups 3/9/96

Group Category	EI 1990 (TPD)	EI 1999 (TPD)	Permits	CE-90	CE-99	Non-Permitted		Permitted		Catch-up RE	Reduction	New1999 (TPD)	
						RE-90	RE-99	RE-90	RE-99	1990 (TPD)	90-99 (TPD)		
A	Cans	1.93	2.16	2.16	0.0%	55.2%	96.0%	99.0%	96.0%	99.0%	0.000	0.076	2.083
B	Metal Coils	0.04	0.07	0.07	0.0%	55.9%	70.0%	75.0%	90.0%	95.0%	0.000	0.004	0.067
C	Paper Products	0.00	0.00	0.00	0.0%	55.6%	80.0%	85.0%	85.0%	90.0%	0.000	0.000	0.000
D	Fabrics	0.00	0.00	0.00	0.0%	55.6%	80.0%	85.0%	85.0%	90.0%	0.000	0.000	0.000
E	Auto New-misc. metal	0.00	0.00	0.00	0.0%	55.6%	70.0%	75.0%	90.0%	95.0%	0.000	0.000	0.000
F	Metal Furniture	0.00	0.00	0.00	0.0%	55.6%	70.0%	75.0%	90.0%	95.0%	0.000	0.000	0.000
H	Appliances	0.16	0.17	0.08	0.0%	55.6%	70.0%	75.0%	90.0%	95.0%	0.032	0.007	0.128
I	Gasoline Plants	0.00	0.00	0.00	0.0%	77.0%	80.0%	85.0%	90.0%	95.0%	0.000	0.000	0.000
J	Storage Tanks-Fixed	3.01	3.10	0.18	0.0%	61.9%	80.0%	85.0%	90.0%	95.0%	1.445	0.103	1.553
K	Pet.Ref.:Vacuum Producing Sys.	0.00	0.00	0.00	0.0%	100.0%	80.0%	85.0%	90.0%	95.0%	0.000	0.000	0.000
K	VOC/Water Separators	0.00	0.00	0.00	0.0%	95.0%	60.0%	65.0%	85.0%	90.0%	0.000	0.000	0.000
K	Process Unit Turnarounds	0.00	0.00	0.00	0.0%	98.0%	95.0%	95.0%	98.0%	98.0%	0.000	0.000	0.000
M	Gasoline Terminals-Chambers,I-t	0.48	0.66	0.57	0.0%	93.3%	87.5%	90.0%	91.5%	94.0%	0.070	0.094	0.497
M	Gasoline Terminals-Gal ,Brazoria	1.65	3.01	0.48	86.6%	93.3%	87.5%	90.0%	91.5%	94.0%	0.613	0.320	2.078
M	Gasoline Terminals-Harris	1.52	6.86	0.05	0.0%	93.3%	87.5%	90.0%	91.5%	94.0%	5.560	0.167	1.132
O	Surface Cleaning	0.15	0.17	0.00	0.0%	55.7%	70.0%	75.0%	90.0%	95.0%	0.067	0.005	0.099
P	Surface Coating Misc.Metals	0.21	0.28	0.00	0.0%	55.6%	70.0%	75.0%	90.0%	95.0%	0.108	0.008	0.166
Q	Factory Fin. Wood	0.00	0.00	0.00	0.0%	55.6%	80.0%	85.0%	85.0%	90.0%	0.000	0.000	0.000
R	Graphic Arts	0.09	0.23	0.23	0.0%	75.0%	70.0%	75.0%	85.0%	90.0%	0.000	0.024	0.211
S	Petroleum Refinery Equip	3.42	3.45	0.55	0.0%	75.0%	95.0%	95.0%	98.0%	98.0%	2.070	0.000	1.384
T	Roof Tanks-Ext.FloatExt.Float	0.13	0.37	0.37	0.0%	61.9%	88.0%	90.0%	93.0%	95.0%	0.001	0.011	0.363
Z	Resins-Polyethylene	0.91	1.97	0.11	0.0%	98.0%	80.0%	85.0%	85.0%	90.0%	1.456	0.124	0.389
Z	Polypropylene	0.00	0.00	0.00	0.0%	98.0%	80.0%	85.0%	85.0%	90.0%	0.000	0.000	0.000
Z	Polystyrene	0.00	0.00	0.00	0.0%	98.0%	80.0%	85.0%	85.0%	90.0%	0.000	0.000	0.000
AA	Natural Gas Processing Plants	14.65	14.64	0.01	0.0%	75.0%	95.0%	95.0%	98.0%	98.0%	10.423	0.000	4.217
AB	SOCMI	1.58	2.05	0.18	0.0%	75.0%	95.0%	95.0%	98.0%	98.0%	1.339	0.000	0.716
AC	Air Oxidation SOCMI	0.00	0.00	0.00	0.0%	98.0%	80.0%	85.0%	85.0%	90.0%	0.000	0.000	0.000
TOTALS		29.93	39.21								23.183	0.942	15.082

HOUSTON RE Improvement only 3/9/96

Group Category	EI 1990 (TPD)	EI 1999 (TPD)	Permits	CE-90	CE-99	Non-Permitted		Permitted		Catch-up RE		
						RE-90	RE-99	RE-90	RE-99	Reductio 1990 (TPD)	Reduction 90-99 (TPD)	New1999 (TPD)
A Cans	0.85	0.95	0.20	55.2%	55.2%	96.0%	99.0%	96.0%	99.0%	0.000	0.033	0.914
B Metal Coils	0.30	0.47	0.12	55.9%	55.9%	70.0%	75.0%	90.0%	95.0%	0.000	0.023	0.448
C Paper Products	0.00	0.00	0.00	55.6%	55.6%	80.0%	85.0%	85.0%	90.0%	0.000	0.000	0.000
D Fabrics	0.00	0.00	0.00	55.6%	55.6%	80.0%	85.0%	85.0%	90.0%	0.000	0.000	0.000
E Auto New-misc. metal	0.14	0.14	0.06	55.6%	55.6%	70.0%	75.0%	90.0%	95.0%	0.000	0.007	0.129
F Metal Furniture	0.00	0.00	0.00	55.6%	55.6%	70.0%	75.0%	90.0%	95.0%	0.000	0.000	0.000
H Appliances	0.00	0.00	0.00	55.6%	55.6%	70.0%	75.0%	90.0%	95.0%	0.000	0.000	0.001
I Gasoline Plants	0.00	0.00	0.00	77.0%	77.0%	80.0%	85.0%	90.0%	95.0%	0.000	0.000	0.000
J Storage Tanks-Fixed	19.95	26.11	5.25	61.9%	61.9%	80.0%	85.0%	90.0%	95.0%	0.000	1.646	24.460
K Pet.Ref.: Vacuum Producing Sys.	3.40	3.58	0.10	100.0%	100.0%	80.0%	85.0%	90.0%	95.0%	0.000	0.921	2.660
K VOC/Water Separators	11.90	10.10	1.66	95.0%	95.0%	60.0%	65.0%	85.0%	90.0%	0.000	1.342	8.754
K Process Unit Turnarounds	0.00	0.00	0.00	98.0%	98.0%	95.0%	95.0%	98.0%	98.0%	0.000	0.000	0.000
M Gasoline Terminals	0.00	0.00	0.00	93.3%	93.3%	87.5%	90.0%	91.5%	94.0%	0.000	0.000	0.000
O Surface Cleaning	0.83	0.92	0.13	55.7%	55.7%	70.0%	75.0%	90.0%	95.0%	0.000	0.043	0.874
P Surface Coating Misc. Metals	1.15	1.59	0.50	55.6%	55.6%	70.0%	75.0%	90.0%	95.0%	0.000	0.078	1.516
Q Factory Fin. Wood	0.00	0.00	0.00	55.6%	55.6%	80.0%	85.0%	85.0%	90.0%	0.000	0.000	0.000
R Graphic Arts	0.80	1.02	0.00	60.0%	60.0%	70.0%	75.0%	85.0%	90.0%	0.000	0.053	0.967
S Petroleum Refinery Equip	24.80	25.58	5.54	75.0%	75.0%	95.0%	95.0%	98.0%	98.0%	0.000	0.000	25.576
T Roof Tanks-Ext.Float	24.18	70.59	21.58	61.9%	61.9%	88.0%	90.0%	93.0%	95.0%	0.000	1.962	68.627
Z Resins-Polyethylene	6.18	8.27	5.38	98.0%	98.0%	80.0%	85.0%	85.0%	90.0%	0.000	2.235	6.039
Z Polypropylene	1.49	2.24	1.96	98.0%	98.0%	80.0%	85.0%	85.0%	90.0%	0.000	0.639	1.603
Z Polystyrene	2.06	2.71	1.45	98.0%	98.0%	80.0%	85.0%	85.0%	90.0%	0.000	0.711	1.999
AA Natural Gas Processing Plants	2.90	2.93	0.16	75.0%	75.0%	95.0%	95.0%	98.0%	98.0%	0.000	0.000	2.934
AB SOCMl	34.32	41.03	19.58	75.0%	75.0%	95.0%	95.0%	98.0%	98.0%	0.000	0.000	41.026
AC Air Oxidation SOCMl	0.07	0.56	0.00	98.0%	98.0%	80.0%	85.0%	85.0%	90.0%	0.000	0.126	0.430
TOTALS	135.32	198.78								0.000	9.820	188.957

