

APPENDIX E
TABLES WITH GROWTH PROJECTIONS BY PARISH AND SOURCE
CATEGORY

Emission Source Summary

	NOX (TPD)				
	2006	2008	2012	2016	2020
<u>Ascension</u>					
Point	20.70	22.60	22.60	22.60	22.60
Area	0.81	0.83	0.87	0.91	0.96
Nonroad	8.35	8.61	9.13	9.33	9.65
Onroad	4.50	4.10	3.20	1.80	1.24
Total	34.36	36.14	35.80	34.64	34.45

<u>East Baton Rouge</u>					
Point	26.20	27.00	27.00	27.00	27.00
Area	1.34	1.37	1.44	1.48	1.54
Nonroad	12.98	12.87	12.49	12.14	12.29
Onroad	12.60	12.53	7.30	5.48	3.85
Total	53.11	53.77	48.22	46.09	44.68

<u>Iberville</u>					
Point	22.80	25.30	25.30	25.30	25.30
Area	1.03	1.06	1.12	1.17	1.23
Nonroad	6.09	6.34	6.71	7.29	7.89
Onroad	3.20	2.98	1.95	1.20	0.79
Total	33.12	35.68	35.08	34.95	35.21

<u>Livingston</u>					
Point	0.20	0.20	0.20	0.20	0.20
Area	0.51	0.52	0.53	0.55	0.57
Nonroad	1.20	1.14	1.03	0.88	0.79
Onroad	6.00	5.91	3.76	2.45	1.66
Total	7.91	7.77	5.52	4.09	3.22

	VOC (TPD)				
	2006	2008	2012	2016	2020
	7.80	11.30	11.30	11.30	11.30
	4.40	4.51	4.69	4.97	5.26
	0.74	0.68	0.64	0.62	0.63
	2.90	2.77	1.63	1.53	1.25
	15.84	19.26	18.26	18.42	18.44

	15.40	17.40	17.40	17.40	17.40
	14.12	14.46	15.07	15.98	16.87
	4.51	4.12	3.79	3.58	3.49
	8.80	9.15	5.28	4.94	3.96
	42.83	45.13	41.55	41.90	41.71

	7.10	7.40	7.40	7.40	7.40
	4.15	4.25	4.43	4.61	4.78
	0.57	0.55	0.52	0.52	0.54
	1.30	1.27	0.83	0.69	0.56
	13.12	13.46	13.19	13.23	13.29

	1.10	1.10	1.10	1.10	1.10
	5.50	5.61	5.79	6.09	6.39
	1.28	1.22	1.10	0.96	0.84
	3.20	3.20	1.84	1.75	1.42
	11.08	11.13	9.84	9.89	9.74

<u>West Baton Rouge</u>						
<u>Point</u>	3.50	3.60	3.60	3.60	3.60	3.60
<u>Area</u>	0.37	0.38	0.40	0.42	0.44	0.44
<u>Nonroad</u>	8.13	8.49	9.15	9.95	10.74	10.74
<u>Onroad</u>	3.00	2.82	2.39	1.17	0.79	0.79
<u>Total</u>	15.00	15.29	15.54	15.14	15.57	15.57

	1.70	1.80	1.80	1.80	1.80	1.80
	3.42	3.52	3.65	3.94	4.24	4.24
	6.49	6.02	5.17	4.59	4.28	4.28
	1.40	1.43	1.04	0.79	0.64	0.64
	13.01	12.77	11.66	11.11	10.96	10.96

	NOX (TPD)				
	2006	2008	2012	2016	2020
<u>Ascension</u>	34.361	36.145	35.804	34.641	34.45
<u>East Baton Rouge</u>	53.112	53.769	48.223	46.095	44.68
<u>Iberville</u>	33.123	35.677	35.084	34.954	35.21
<u>Livingston</u>	7.91	7.77	5.52	4.09	3.22
<u>West Baton Rouge</u>	15.00	15.285	15.541	15.135	15.57
<u>5 PARISH TOTAL</u>	143.51	148.65	140.17	134.91	133.13

	VOC (TPD)				
	2006	2008	2012	2016	2020
	15.843	19.265	18.256	18.425	18.437
	42.828	45.134	41.548	41.898	41.715
	13.124	13.465	13.186	13.226	13.286
	11.08	11.13	9.84	9.89	9.74
	13.011	12.767	11.662	11.11	10.959
	95.89	101.76	94.49	94.55	94.14

Notes:

1. 2006 base year point source values are from the LDEQ EI (emissions inventory).
2. All point source values are from the 2006 LDEQ EI with the addition of banked emission credits and the addition/deletion of opened/closed facilities.
3. No growth was assumed for point source emissions.
4. 2002 Area and Nonroad base year values are from the 2002 Louisiana Base Year Emissions Inventory (Submitted to EPA July 20, 2007).
5. Area growth projections were derived from EGAS 6.0.
6. Nonroad growth projections for SCC codes 2275, 2280, and 2285 were derived with EGAS 6.0.
7. Other Nonroad growth projections were derived from NONROAD 2005.

Area Source Summary by Parish

NOX (TPY)

	2002	2006	2008	2012	2016	2020
Ascension	286	296	303	319	334	350
East Baton Rouge	461	487	501	524	541	562
Iberville	364	375	386	407	427	448
Livingston	182	187	190	195	201	207
West Baton Rouge	132	135	139	146	153	160
TOTAL	1426	1480	1519	1592	1654	1727

VOC (TPY)

	2002	2006	2008	2012	2016	2020
Ascension	1494	1606	1645	1711	1814	1918
East Baton Rouge	4770	5152	5279	5501	5831	6156
Iberville	1442	1516	1552	1618	1682	1745
Livingston	1873	2008	2048	2114	2222	2331
West Baton Rouge	1084	1247	1284	1331	1438	1547
TOTAL	10663	11530	11808	12276	12987	13697

NOX (TPD)

	2002	2006	2008	2012	2016	2020
Ascension	0.78	0.81	0.83	0.87	0.91	0.96
East Baton Rouge	1.26	1.34	1.37	1.44	1.48	1.54
Iberville	1.00	1.03	1.06	1.12	1.17	1.23
Livingston	0.50	0.51	0.52	0.53	0.55	0.57
West Baton Rouge	0.36	0.37	0.38	0.40	0.42	0.44
TOTAL	3.91	4.05	4.16	4.36	4.53	4.73

VOC (TPD)

	2002	2006	2008	2012	2016	2020
Ascension	4.09	4.40	4.51	4.69	4.97	5.26
East Baton Rouge	13.07	14.12	14.46	15.07	15.98	16.87
Iberville	3.95	4.15	4.25	4.43	4.61	4.78
Livingston	5.13	5.50	5.61	5.79	6.09	6.39
West Baton Rouge	2.97	3.42	3.52	3.65	3.94	4.24
TOTAL	29.21	31.59	32.35	33.63	35.58	37.53

- Notes:
1. 2002 base year values are from the 2002 Louisiana Base Year Emissions Inventory (Submitted to EPA July 20, 2007).
 2. 2002 values were grown to 2006. 2006 values were grown to 2008, 2012, 2016, and 2020.
 3. Growth projections were derived with EGAS 6.0.

NONROAD Source Summary by Parish

NOX (TPY)

	2002	2006	2008	2012	2016	2020
Ascension	2760	3048	3144	3333	3404	3523
East Baton Rouge	4669	4737	4698	4558	4430	4487
Iberville	1973	2225	2313	2451	2660	2879
Livingston	453	436	417	374	323	289
West Baton Rouge	2604	2969	3097	3340	3631	3920
TOTAL	12458	13415	13669	14056	14448	15098

VOC (TPY)

	2002	2006	2008	2012	2016	2020
Ascension	308	271	250	233	228	231
East Baton Rouge	1844	1647	1503	1385	1308	1272
Iberville	218	208	199	189	191	199
Livingston	450	467	445	403	349	306
West Baton Rouge	2645	2370	2198	1887	1674	1564
TOTAL	5465	4963	4595	4097	3750	3573

NOX (TPD)

	2002	2006	2008	2012	2016	2020
Ascension	7.56	8.35	8.61	9.13	9.33	9.65
East Baton Rouge	12.79	12.98	12.87	12.49	12.14	12.29
Iberville	5.41	6.09	6.34	6.71	7.29	7.89
Livingston	1.24	1.20	1.14	1.03	0.88	0.79
West Baton Rouge	7.13	8.13	8.49	9.15	9.95	10.74
TOTAL	34.13	36.75	37.45	38.51	39.58	41.36

VOC (TPD)

	2002	2006	2008	2012	2016	2020
Ascension	0.84	0.74	0.68	0.64	0.62	0.63
East Baton Rouge	5.05	4.51	4.12	3.79	3.58	3.49
Iberville	0.60	0.57	0.55	0.52	0.52	0.54
Livingston	1.23	1.28	1.22	1.10	0.96	0.84
West Baton Rouge	7.25	6.49	6.02	5.17	4.59	4.28
TOTAL	14.97	13.60	12.59	11.22	10.27	9.79

Notes:

1. 2002 base year values are from the 2002 Louisiana Base Year Emissions Inventory (Submitted to EPA July 20, 2007).
2. 2002 values were grown to 2006. 2006 values were grown to 2008, 2012, 2016, and 2020
3. Growth projections for SCC codes 2275, 2280, and 2285 were derived with EGAS 6.0.
4. Other Nonroad growth projections were derived from NONROAD2005.

Mobile Summary by Parish

NOX (TPD)

	2006	2008	2012	2016	2020
Ascension	4.50	4.12	3.22	1.78	1.24
East Baton Rouge	12.60	12.53	7.30	5.48	3.85
Iberville	3.20	2.98	1.95	1.20	0.79
Livingston	6.00	5.91	3.76	2.45	1.66
West Baton Rouge	3.00	2.82	2.39	1.17	0.79
TOTAL	29.30	28.35	18.63	12.08	8.33

VOC (TPD)

	2006	2008	2012	2016	2020
Ascension	2.90	2.77	1.63	1.53	1.25
East Baton Rouge	8.80	9.15	5.28	4.94	3.96
Iberville	1.30	1.27	0.83	0.69	0.56
Livingston	3.20	3.20	1.84	1.75	1.42
West Baton Rouge	1.40	1.43	1.04	0.79	0.64
TOTAL	17.60	17.82	10.64	9.70	7.82

Notes: 1. Mobile emissions were projective using MOBILE6.