Transcontinental Gas Pipeline Corporation

Station 170 - Appomattox, VA

EPA NOx SIP Call for IC Engines - Affected Units at Transco Station 170

Unit Specific Information					1995 O3 Season NOx Emissions			2007 Ozone Season						Transco Proposed Emission Lim		
Stn No.	*Unit No.*	*Manufacturer and Model*	*HP*	*Emission lb/hr*	NOx Daily tpd	NOx O3 Season tons	PTE NOx O3 Season tons	*EPA Growth Factor*	NOx Daily tpd	Total NOx tons	Targeted Reduction %	Targeted NOx Changes tons	Allowable Total NOx tons	Permitted NOx Rate lb/hr	Potential Ozone Season Hours	Potential NOx Emissions tons
170	M/L 1	Cooper GMW-10	2,500	138.30	1.0218	156.3354	253.9	0.98	1.0014	153.2087	82%	(125.6311)	27.5776	**19.29**	3,672	35.4164
170	M/L 2	Cooper GMW-10	2,500	138.30	1.2279	187.8687	253.9	0.98	1.2033	184.1113	82%	(150.9713)	33.1400	**19.29**	3,672	35.4164
170	M/L 3	Cooper GMW-10	2,500	138.30	1.4297	218.7441	253.9	0.98	1.4011	214.3692	82%	(175.7827)	38.5865	**19.29**	3,672	35.4164
170	M/L 4	Cooper GMW-10	2,500	138.30	1.4780	226.1340	253.9	0.98	1.4484	221.6113	82%	(181.7213)	39.8900	**19.29**	3,672	35.4164
170	M/L 5	Cooper GMW-10	2,500	138.30	1.5265	233.5545	253.9	0.98	1.4960	228.8834	82%	(187.6844)	41.1990	**19.29**	3,672	35.4164
170	M/L 6	Cooper GMWA-10	2,625	91.20	1.0646	162.8838	167.4	0.98	1.0433	159.6261	82%	(130.8934)	28.7327	**20.25**	3,672	37.1790
170	M/L 7	Cooper GMWA-10	2,625	91.20	1.6171	247.4163	167.4	0.98	1.5848	242.4680	82%	(198.8238)	43.6442	**20.25**	3,672	37.1790
170	M/L 8	Cooper GMWC-10	3,400	168.20	1.9337	295.8561	308.8	0.98	1.8950	289.9390	82%	(237.7500)	52.1890	**26.23**	3,672	48.1583
170	M/L 9	Cooper 10V-250	3,400	148.30	1.7450	266.9850	272.3	0.98	1.7101	261.6453	82%	(214.5491)	47.0962	**26.23**	3,672	48.1583
170	M/L 10	Cooper 10V-250	3,400	148.30	1.7448	266.9544	272.3	0.98	1.7099	261.6153	82%	(214.5245)	47.0908	**26.23**	3,672	48.1583
170	M/L 11	Cooper 16V-250	5,500	236.60	2.8039	428.9967	434.4	0.98	2.7478	420.4168	82%	(344.7418)	75.6750	**42.44**	3,672	77.9198
Totals for Units Subject to Rule												**(2,163.0734)**	**474.8210**			**473.8349**

Allowable Ozone Season NOx Emissions	**474.8210**
Proposed Potential Ozone Season NOx Emissions	**473.8349**
Targeted NOx Emission Changes	**(2,163.0734)**
Proposed NOx Emission Changes	**(2,164.0595)**

nental Gas Pipeline Corporation

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Unit Specific Information				its
Unit No.	*Manufacturer and Model*	*HP*	*Emission lb/hr*	NOx Changes tons
M/L 1	Cooper GMW-10	2,500	138.30	(117.7923)
M/L 2	Cooper GMW-10	2,500	138.30	(148.6949)
M/L 3	Cooper GMW-10	2,500	138.30	(178.9528)
M/L 4	Cooper GMW-10	2,500	138.30	(186.1949)
M/L 5	Cooper GMW-10	2,500	138.30	(193.4670)
M/L 6	Cooper GMWA-10	2,625	91.20	(122.4471)
M/L 7	Cooper GMWA-10	2,625	91.20	(205.2890)
M/L 8	Cooper GMWC-10	3,400	168.20	(241.7807)
M/L 9	Cooper 10V-250	3,400	148.30	(213.4870)
M/L 10	Cooper 10V-250	3,400	148.30	(213.4570)
M/L 11	Cooper 16V-250	5,500	236.60	(342.4970)
Totals for Units Subject to Rule				**(2,164.0595)**

tons

tons

tons

tons