



D. E. R.

JAN 5 1990

January 3, 1990

SOUTHWEST DISTRICT
TAMPA

Richard D. Garrity, Ph.D.
Florida Department of
Environmental Regulation
Southwest District
4520 Oak Fair Boulevard
Tampa, FL 33610-7347

Iwan Choronenko
Environmental Protection Commission
of Hillsborough County
1410 N. 21st Street
Tampa, FL 33605

Re: Tampa Electric Company
Big Bend Station
Visible Emission Test
Combustion Turbine No. 1
Permit No. A029-85100

Gentlemen:

Enclosed please find a copy of a visible emission (VE) compliance test report for the above referenced facility. The VE test was performed December 29, 1989, as scheduled following notification to the Environmental Protection Commission of Hillsborough County. As summarized in the report, the average opacity was zero percent (0%), which is in compliance with the Florida Administrative Code (FAC) 17-2.610 limit of twenty percent (20%) opacity.

If you have any questions concerning this report, please contact me.

Sincerely,

Jerry L. Williams
Director
Environmental

JLW/ams/NN180.DOC

Enclosure

SOURCE NAME CT 1		SOURCE LOCATION Big Bend Station				OBSERVATION DATE December 29, 1989				START TIME 0810		STOP TIME 0840			
TYPE OF FACILITY Power Plant						SEC.					SEC.				
DISTANCE FROM OBSERVER 150 Feet						MIN	0	15	30	45	MIN	0	15	30	45
SKY CONDITIONS/PLUME BACKGROUND Clear Blue						1	0	0	0	0	31				
<p style="text-align: center;">SOURCE LAYOUT SKETCH DRAW NORTH ARROW</p> <p style="text-align: center;">X EMISSION POINT</p> <p style="text-align: center;">OBSERVERS POSITION</p> <p style="text-align: center;">140°</p> <p style="text-align: center;">SUN LOCATION LINE</p> <p>SUN-O WIND-→</p>						2	5	0	0	0	32				
						3	0	0	5	0	33				
						4	0	0	0	0	34				
						5	0	0	0	0	35				
						6	0	0	0	0	36				
						7	0	0	0	0	37				
						8	0	0	0	0	38				
						9	0	0	0	0	39				
						10	0	0	0	0	40				
						AVERAGE OPACITY - 0-6						11	0	0	0
WIND SPEED (EST.) 5 mph			WIND DIRECTION (EST.) EAST TO WEST			12	0	0	0	0	42				
OBSERVER'S NAME (PRINT) Robert S Chatham						13	0	0	0	0	43				
OBSERVER'S SIGNATURE Robert S Chatham			DATE December 29, 1989			14	0	0	0	0	44				
<p>COMMENTS</p> <p>15.4 mw Generated</p> <p>887 gallons of #2 Fuel Oil</p> <p>burnt.</p>						15	0	0	0	0	45				
						16	0	0	0	0	46				
						17	0	0	0	0	47				
						18	0	0	0	0	48				
						19	0	0	0	0	49				
						20	0	0	0	0	50				
						21	0	0	0	0	51				
						22	0	0	0	0	52				
						23	0	0	0	0	53				
						24	0	0	0	0	54				
COPY OF VISIBLE EMISSIONS CERTIFICATION CARD						25	0	0	0	0	55				
<p style="text-align: center;">STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION</p> <p style="text-align: center;">THIS IS TO CERTIFY THAT</p> <p><u>ROBERT CHATHAM</u> has completed the STATE OF FLORIDA visible emissions evaluation training and is a qualified observer of visible emissions as specified by EPA reference method 9.</p> <p>THIS CERTIFICATE EXPIRES Mar 1, 1990</p> <p><u>Michael R. Clark</u> <u>Robert S. Chatham</u> CERTIFICATE OFFICER BEARER'S SIGNATURE</p>						26	0	0	0	0	56				
						27	0	0	0	0	57				
						28	0	0	0	0	58				
						29	0	0	0	0	59				
						30	0	0	0	0	60				