

Florida Department of Environmental Protection

Twin Tower Office Bldg * 2600 Blair Stone Road * Tallahassee, Florida 32399-2400

Report on Compliance with Electric and Magnetic Field (EMF) Standards

Agent/Facility Information

McIntosh - Lake Agnes 230 kV Tran. Line

Name of Transmission Line/Interest Point

Orlando Utilities Commission

Orlando, Florida

Name and Address of Facility (Utility) Owner

Black & Veatch

201 South Orange Avenue, Suite 500, Orlando, FL, 32801

Name and Address of Authorized Agent

June 01, 2013

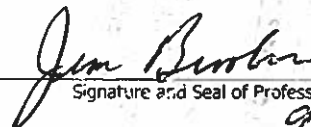
Date of Proposed Construction

Jim Brooks

201 South Orange Ave, Suite 500, Orlando, FL, 32801

Name and Address of Professional Engineer


Signature of Authorized Agent
9/12/11
Date


Signature and Seal of Professional Engineer
9/12/11
Date

Field Strength Information

Transmission Lines

Cross Section	Right-of-Way (ROW) Width (ft)	Maximum Calculated Fields and Distance From ROW Left					
		Electric				Magnetic	
		Within ROW		At Edge of ROW		At Edge of ROW	
		(kV/m)	(ft)	(kV/m)	(ft)	(mG)	(ft)
Section 1	145	3.9	48	0.6	0	115.3	145

Substations

None

Florida Department of Environmental Protection

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Details for CrossSection: **Section 1- McIntosh - Lake Agnes 230 kV Line**

230kV Ckt

Circuit Name

230 kV

Rated Voltage

NEW CIRCUIT

New/Existing

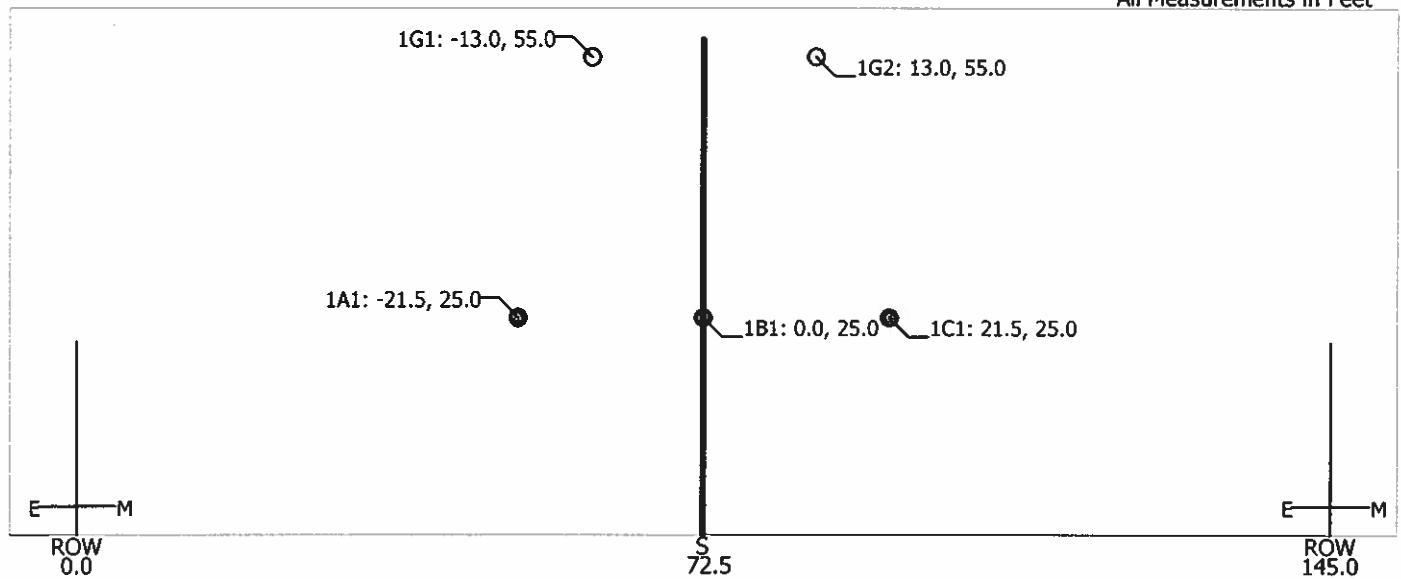
Id	Dist From Left ROW (ft)	Dist From Circuit CL (ft)	Minimum Height (ft)	SubConductors			Maximum Voltage (kV)	Angle (Degrees)	MCR (Amps)
				# of	Diameter (in)	Spacing (in)			
1A1	51.00	-21.50	25.00	1	1.26	0.00	241.0	0	2493
1B1	72.50	0.00	25.00	1	1.26	0.00	241.0	240	2493
1C1	94.00	21.50	25.00	1	1.26	0.00	241.0	120	2493
1G1	59.50	-13.00	55.00	1	0.38	0.00	0.0	0	0
1G2	85.50	13.00	55.00	1	0.38	0.00	0.0	0	0

Points of Interest

None

Phase Configuration

All Measurements in Feet



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McIntosh - Lake Agnes 230 kV T-Line

Name of Transmission Line/Interest Point

Orlando Utilities Commission

Orlando, Florida

Name and Address of Facility (Utility) Owner

Black & Veatch

201 South Orange Avenue, Suite 500, Orlando, FL, 32801

Name and Address of Authorized Agent

June 01, 2013

Date of Proposed Construction

Jim Brooks

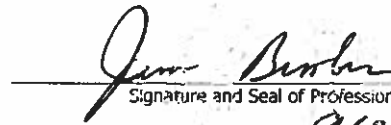
201 South Orange Ave, Suite 500, Orlando, FL, 32801

Name and Address of Professional Engineer



Signature of Authorized Agent

9/2/11
Date



Signature and Seal of Professional Engineer

9/2/11
Date

Field Strength Information

Transmission Lines

Cross Section	Right-of-Way (ROW) Width (ft)	Maximum Calculated Fields and Distance From ROW Left					
		Electric				Magnetic	
		Within ROW		At Edge of ROW		At Edge of ROW	
		(kV/m)	(ft)	(kV/m)	(ft)	(mG)	(ft)
Section 2	145	3.4	62	0.2	145	75.2	0

Substations

None

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Details for CrossSection: **Section 2 - McIntosh - Lake Agnes 230 kV Line**

Vert 230kV

Circuit Name

230 kV

Rated Voltage

NEW CIRCUIT

New/Existing

Id	Dist From Left ROW (ft)	Dist From Circuit CL (ft)	Minimum Height (ft)	SubConductors			Maximum Voltage (kV)	Angle (Degrees)	MCR (Amps)
				# of	Diameter (in)	Spacing (in)			
1A1	62.50	-10.00	53.00	1	1.26	0.00	241.0	0	2493
1B1	62.50	-10.00	39.00	1	1.26	0.00	241.0	240	2493
1C1	62.50	-10.00	25.00	1	1.26	0.00	241.0	120	2493
1G1	62.50	-10.00	80.00	1	0.38	0.00	0.0	0	0

Points of Interest

None

Phase Configuration

All Measurements in Feet

