USGS-Florida Water Science Center, Fort Lauderdale, FL

DATE OF INITIAL LOGGING: June 2010

ELEVATION: 8.5 Feet (Top of casing, NGVD 29)

LOCATION: 25-21-15.5 N (GPS, NAD 83)

WELL DEPTH: 131 Feet TD FM Bay BTM

PROJECT: FPL Turkey Point Monitoring Plan

WELL: TPGW-14 (G-3945)

SP: 510 550 mV

SPR: 1612 1616 Ohms

Induction Conductivity: 0 1600 mS/m

Induction Resistivity: 0.4 Ohm-m

Upper Zone

Induction Conductivity: 0 1600 mS/m

Induction Resistivity: 0.4 Ohm-m

Lower Zone

Induction Conductivity: 0 1600 mS/m

Induction Resistivity: 0.4 Ohm-m

Completed Monitor Well

EM Induction

Temperature: 25 27 °C

Conductivity (SW): 57000 71000 uScm⁻¹

pH: 6.5 7.5

O₂%: 0 8%

Redox: -200 0 mV

Water Quality Tool

Troll Dn @ 20 FT/MIN: 0 12 cps

Troll Up @ 20 FT/MIN: 0 12 cps

Spinner Flow Meter

Ambient:

Troll Dn @ 20 FT/MIN: 0 24 cps

Troll Up @ 20 FT/MIN: 0 24 cps

Mean Vp: 0 20000 Feet/Second

Mean Vst: 0 20000 Feet/Second

Raymer-Hunt Sonic Porosity: 0 1%

Stoneley Amplitude: 0 100%

Upper Zone

Mean Vp: 0 20000 Feet/Second

Mean Vst: 0 20000 FT/S

Raymer-Hunt Sonic Porosity: 0 1%

Stoneley Amplitude: 0 100%

Lower Zone

Mean Vp: 0 20000 Feet/Second

Mean Vst: 0 20000 FT/S

Raymer-Hunt Sonic Porosity: 0 1%

Stoneley Amplitude: 0 100%

Full Waveform Sonic Logs

Temperature: 26 27 °C

Conductivity (SW): 66000 74000 uScm⁻¹

pH: 6.8 7.2

O₂%: 0 6%

Redox: -325 0 mV

Water Quality Tool

Troll Dn @ 20 FT/MIN: 0 16 cps

Troll Up @ 20 FT/MIN: 0 16 cps

Spinner Flow Meter

Ambient:

Troll Dn @ 20 FT/MIN: 0 32 cps

Troll Up @ 20 FT/MIN: 0 32 cps

Mean Vp: 26 26.4 °C

Conductivity (SW): 70000 74000 uScm⁻¹

pH: 6.8 7

O₂%: 20 28%

Redox: -328 0 mV

Water Quality Tool

Pumping 145 GPM

Flow Meter Logs (Lower Zone, 12 June 2010)