

FPL Turkey Point Monitoring Plan

Audit Checklist

Micrometeorological, Flowmeter and Rain Gauges

To use this field audit checklist effectively, the auditor must be familiar with FQ 1000 (Field QC) in "DEP Standard Operating Procedures for Field Activities", February 1, 2004 (DEP-SOP-001/01) Page 26 of 78 Revision Date: March 31, 2008 (Effective 12/3/08)

#	Audit Element	Acceptable (Y / N / NA)	Comments
1	All sensors are clean and functional i.e. no physical obstruction to operation. a) Meteorological station (1 unit) b) Flowmeters (3 units) c) Rain gauges (5 units) d) Rainfall collectors (7 units)		
2	Sensors are performing to specifications: a) Light sensor—reads zero when light is completely blocked out. Reads $>1000 \mu\text{mol s}^{-1} \text{ m}^{-2}$ in midday sunlight b) Humidity sensor—Reads less than ambient humidity when placed in a bag with a drying agent (e.g. drierite). c) Ultrasonic anemometer—Ensure that it is aligned vertically and reading zero when bag is placed over sensor. Should read zero when placed in a wind-free shield. d) Flowmeter—there are no obstructions of organic plants in the acoustic sensor path. Ensure that all the plants are removed. e) Tipping bucket rain gauge—can tip freely and there is no obstruction to rain funnel. f) Rainfall collectors—not overflowing and there is sufficient mineral oil overlying container		
3	Sensors and probes are cleaned on a regular basis and cleaning records maintained.		
4	Sensors and probes are calibrated by the manufacturer on a regular basis and records available for review.		
5			
	Notes		

Auditor

Date

Organization