

RITZ CARLTON HOTEL, NEW ORLEANS, LA
 March 2016 Installation, X-Cell 4000 Side-Stream Particle Precipitator
 3000 Ton Cooling Tower System



PARTICLE ANALYSIS REPORT

Ritz Carlton Hotel, New Orleans, LA | Source: CT Basin Water

Test Method (Third Party Provider): Sample analyzed by electro-optical particle analyzer employing the light scattering principle of operation with filtered water and particle data corrected. Stirring was continuous.

Baseline - Prior to RECLEAN PRO System		After 3 weeks with RECLEAN PRO System	
PARTICLE COUNTS PER 100mL TEST PORTION		PARTICLE COUNTS PER 100mL TEST PORTION	
1 - 3 micron:	439,152	1 - 3 micron:	74,342
3 - 5 micron:	183,760	3 - 5 micron:	15,232
5- 10 micron:	244,516	5 - 10 micron:	8,505
10 - 15 micron:	91,516	10- 15 micron:	1,326
15-25 micron:	166,736	15-25 micron:	1,526
Over 25 micron:	248,464	Over 25 micron:	773
TOTAL/100mL:	1,374,144	TOTAL/100mL:	101,704
SOLIDS PER 100 LITERS OF SYSTEM VOLUME (mm3)		SOLIDS PER 100 LITERS OF SYSTEM VOLUME (mm3)	
1-5 micron:	15.27	1 - 5 micron:	1.57
5- 10 micron:	103.19	5 - 10 micron:	3.59
Over 10 micron:	167,803.26	Over 10 micron:	530.32
TOTAL/100 Liters:	167,921.72	TOTAL/100 Liters:	535.48
	1,679 ppm		5 ppm

99.702% REDUCTION IN ALL PARTICLES PPM

FOUR MONTHS SAVINGS

WATER SAVED:	1,030,278 GALLONS	\$12,363
ENERGY SAVED:	402,750 KWH	\$32,220

COOLING TOWER WATER AND ENERGY USE AND SAVINGS

Ritz Carlton Hotel, New Orleans, LA | 4-Month Recap

3,000-Ton Cooling Tower System

RECLEAN PRO's XCell-4000 Side-Stream Particle Precipitator installed March 2016

BASE YEAR USE PRIOR TO RECLEAN PRO™ INSTALLATION (MAR 2015 - FEB 2016)			CURRENT USE (MAR 2016 FORWARD) Adjusted for Temp		WATER/ENERGY SAVINGS STARTING MARCH 2016			ENERGY SAVINGS CONVERTED TO \$\$ ASSUMING	
MONTH	CT GALLONS USED	AVG DAILY TEMP	CT GALLONS USED	AVG DAILY TEMP	GALLONS SAVED	KWH SAVED	LOAD SAVED	Water @ \$12 per 1000 gallons	Electric @ \$.08 per kwh
Mar	813,000	67	681,620	68	131380	52080	100	\$1,577	\$4,166
Apr	1,101,000	74	846,270	72	254730	99288	197	\$3,057	\$7,943
May	1,612,000	79	1,252,658	78	359342	140616	270	\$4,312	\$11,249
Jun	1,872,000	83	1,606,451	84	284826	110766	220	\$3,418	\$8,861
4 MONTHS WATER AND ENERGY SAVINGS:					1,030,278	402,750		\$12,363	\$32,220

TOTAL DOLLAR SAVINGS: \$44,583

