



D & L Water Control, Inc. REVERSE OSMOSIS SAVINGS CALCULATOR

Company _____	BOILER STEAM PRODUCTION, lbs/hr <u>41667</u>
Facility _____	JRRENT BOILER CYCLES OF CONCENTRATION <u>35</u>
Name _____	NEW BOILER CYCLES OF CONCENTRATION <u>76</u>
E-Mail _____	FEEDWATER CONDUCTIVITY _____
Phone _____	BOILER WATER CONDUCTIVITY _____

STEAM PRODUCTION IN LBS/DAY	1,000,008
BOILER OPERATING PRESSURE, PSI	150
BOILER EFFICIENCY, %	80.00%
FUEL/GAS PRICE, \$ /1,000 CUFT	\$8.00
FEEDWATER TEMPERATURE	240°F
MAKE UP WATER TEMPERATURE	60°F
ENTHALPY OF LIQUID AT BOILER PSI, btu/lb	336
ENTHALPY OF LIQUID AT 60°F, btu/lb	28
CURRENT BLOWDOWN RATE(1/CYCLES=%BLOWDC	2.86%
NEW BOILER CYCLES OF CONCENTRATION	76
NEW BLOWDOWN RATE(1/CYCLES=%BLOWDOWN)	1.32%
BLOWDOWN REDUCTION WITH RO UNIT	1.54%
WATER SAVED POUNDS/DAY	15,414
WATER SAVED GALLONS/DAY	1,857
ANNUAL FUEL SAVED, 1000 cuft	5,706

ANNUAL FUEL COST SAVINGS	\$45,648
NEUTRALIZING AMINE SAVED, LBS/YR	421
ANNUAL WATER SAVINGS, \$	\$6,778
ANNUAL WATER SAVINGS, GALLONS	677,830
GREEN SAVINGS QUOTIENT, GSQ	0.54

GSQ 0.00 = no change in carbon footprint
GSQ 1.00 = complete reduction of carbon footprint



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