



WATER TECHNOLOGIES, INC.

Find Out About Our Innovative Solutions at www.bondwater.com

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TECHNICAL SITE VISIT

Date: **8/13/2018**

Location: Wally World, Inc.

Contacts: Mr. John Riggins, Mr. Gary Clarke, Mr. Donnie Warren

Subject: Wastewater Site Visit (Clarifier Jar Testing)

Summary

A routine site visit was performed by John Dunford and Kyle Hunter with Bond Water Technologies at the Wally World plant on 8/13/2018. Jar testing was performed on the lower basin/clarifier settling application where the BondClear 1330B is added. Currently the BondClear 1330B was being added at a rate of 12 gpd with a total flow of 684,000 equating to 17.5 ppm. This is resulting in a 45% transmittance and 11.3 NTUs.

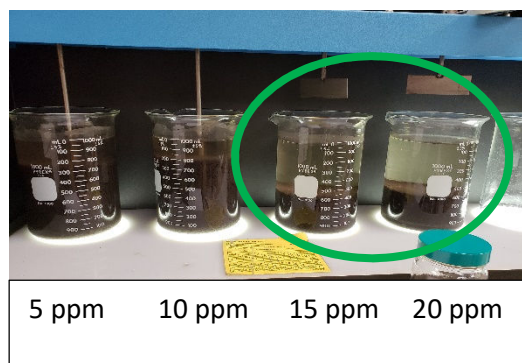
Samples were taken at the discharge of the lower basin to evaluate the dosage of the BondClear 1330B. In addition, various blends of the BondClear 400S and BondPoly 2541-90B were added to the jars for alternative options with the following results.

Jar #	#1	#2	#3	#4	#5	#6	#7
1330B ppm	5	10	15	20	5		10
400S ppm	0	0	0	0		10	10
2541-90B	0	0	0	0	5	5	
Turbidity	25.9	15.7	8.59	8.64	11.4	13.3	14.3
Transmittance	30	40	41	43	41	40	42

***Turbidity and Transmittance tested on supernatant after 15 minutes.

The current optimal feed rate for the BondClear 1330B appears to be approximately 17.5 ppm, which is what Steve is currently feeding (excellent work). You can always look to trim the feed rate down 1 – 2 gallons per day, however the current dosage gives you a little more buffer room.

The alternative products/combinations with the BondClear 400S and BondPoly 2541-90B showed



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adequate results, however the total cost for each “solution” is not viable compared to the stand alone BondClear 1330B. Our recommendation is to continue with the current BondClear 1330B and feed rate of 12 gpd (+/- 1 gallon).

Thank you for your business!

Thank you,

A handwritten signature in black ink that reads "John T. Dunford".

John T. Dunford, CWT

Product Manager

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