

CASE STUDY



CLEARWATER INDUSTRIES CW2500RPC-LSL

Challenge

Solution

Results



GOALS AND CHALLENGES

Fluctuation in turbidity

Prepare water for RO

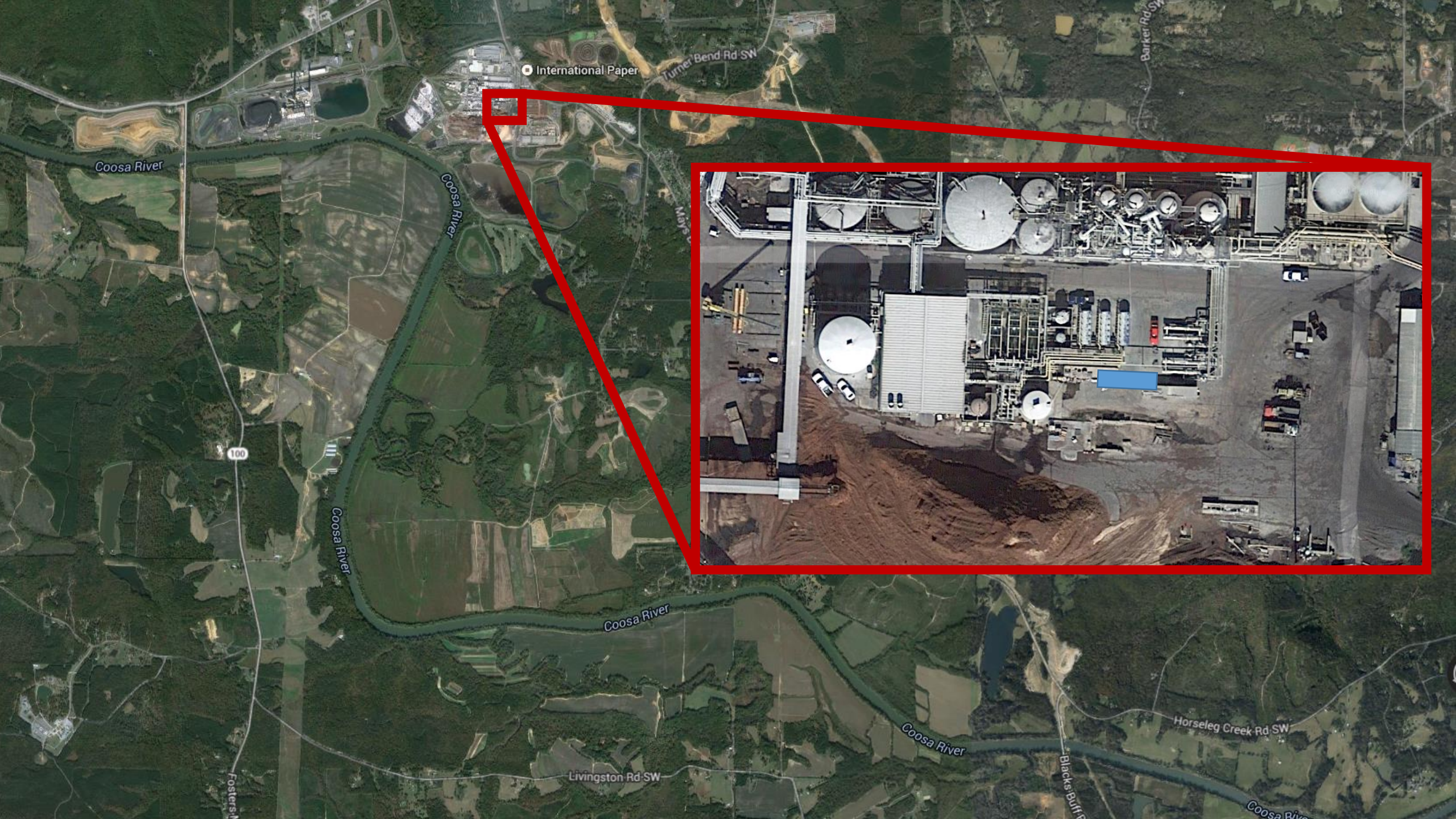
Clarifier re-design

Turn-key solution

Completely mobile

Hard delivery date





International Paper

Turner Bend Rd SW

Barker Rd SW

Coosa River

Coosa River

100

Coosa River

Coosa River

Coosa River

Livingston Rd SW

Blacks Bluff Rd

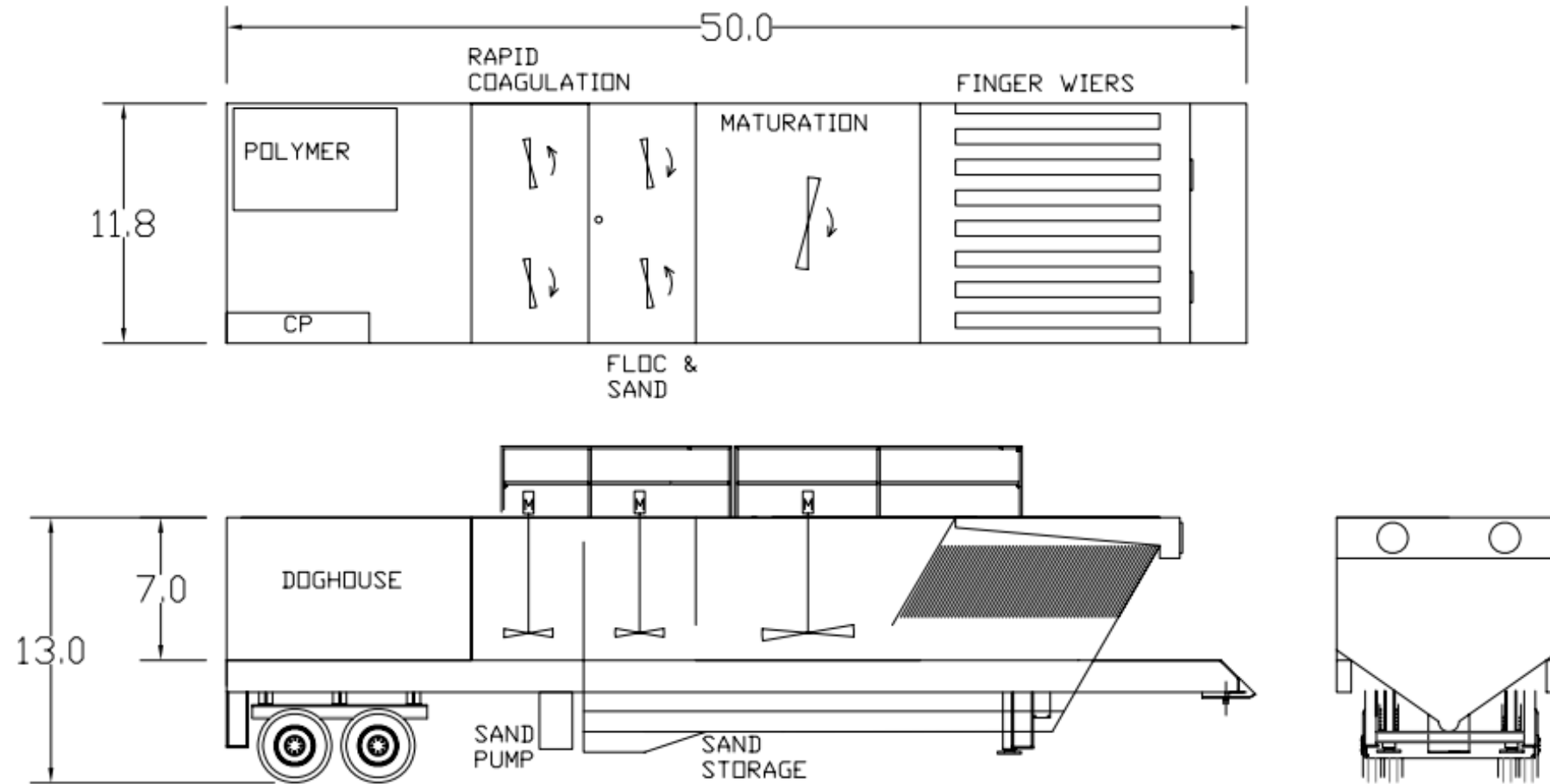
Horseleg Creek Rd SW

Coosa River

River Inlet Turbidity December 2014 – March 2015



CLARIFIER RE-DESIGN



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 CLEARWATER Industries, Inc. 9446 North 107th Street • Milwaukee, Wis. 53224 Phone: 414-365-1200 • Fax: 414-365-0200				JOB NAME:	
				PART NAME:	
SIZE	DATE	DWG. NO.	REV		
B	7/14/14	SKETCH 1	0		
SCALE	N/A	DRWN BY	JOE	SHEET	N/A

MOBILE SOLUTION

- 12'-10" height
- 11'9" width
- 74,000 lbs
- 6 Hydraulic lifting legs
- DOT lighting
- Transportation mode



AUTOMATED PROCESS

Limited operator attention

Remote cellular controls and alarms

Automatic polymer make down system

Light absorbing probe for polymer dosing

Influent and effluent turbidity monitoring and tracking

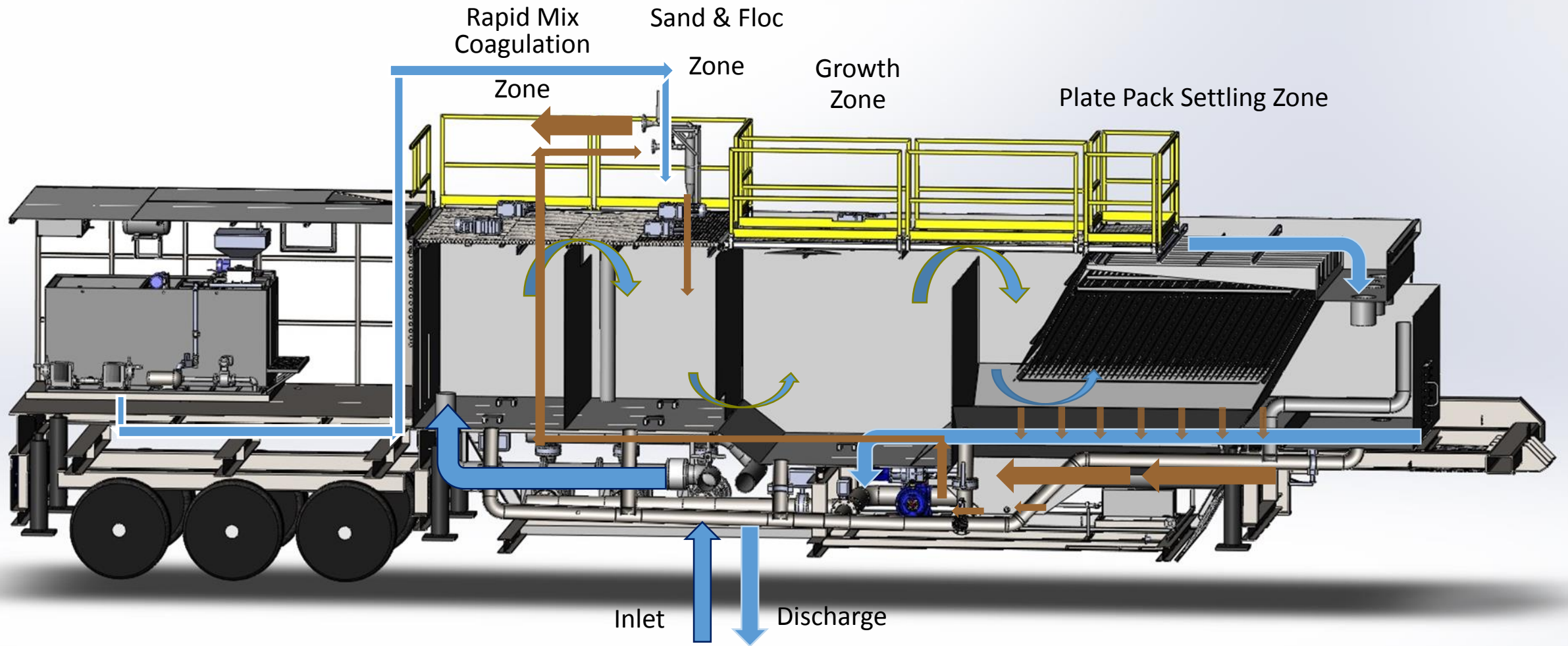


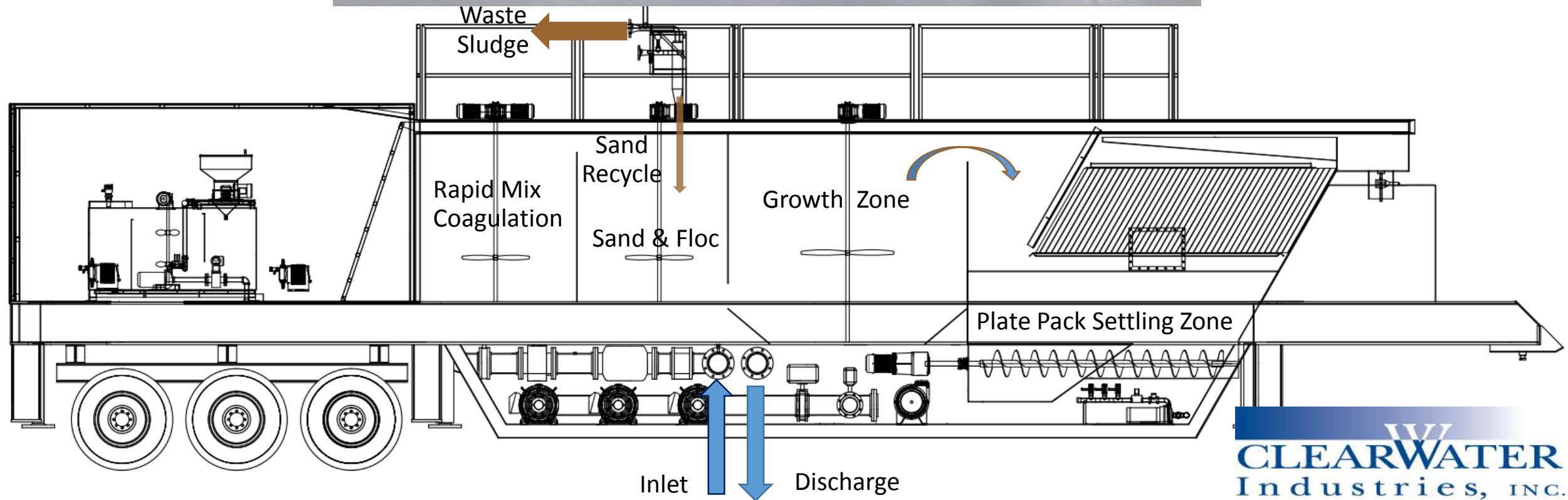
HARD DELIVERY DATE

Rainy Season

Date	8/18/2014	8/25/2014	9/1/2014	9/8/2014	9/15/2014	9/22/2014	9/29/2014	10/6/2014	10/13/2014	10/20/2014	10/27/2014	11/3/2014	11/10/2014	11/17/2014	11/24/2014	12/1/2014	12/8/2014	12/15/2014
Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Finalize Drawing	1																	
Fab Drawings		1																
Parts Ordered			2															
All Parts Received											8							
Fabrication											9							
All Steel Ordered			1															
Cut and Process					2													
Tank Fabrication										5								
Main Frame Fab										5								
Assembly											1							
Electrical Scope			3															
Programing/Design/BOM							4											
Pannel Build											4							
Field Wiring																2		
Paint													3					
General Assembly															2			
Test																	1	
Buffer																		1

SOLUTION







RESULTS



Mobile Clarifier Discharge Turbidity vs. River Inlet Turbidity

